



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

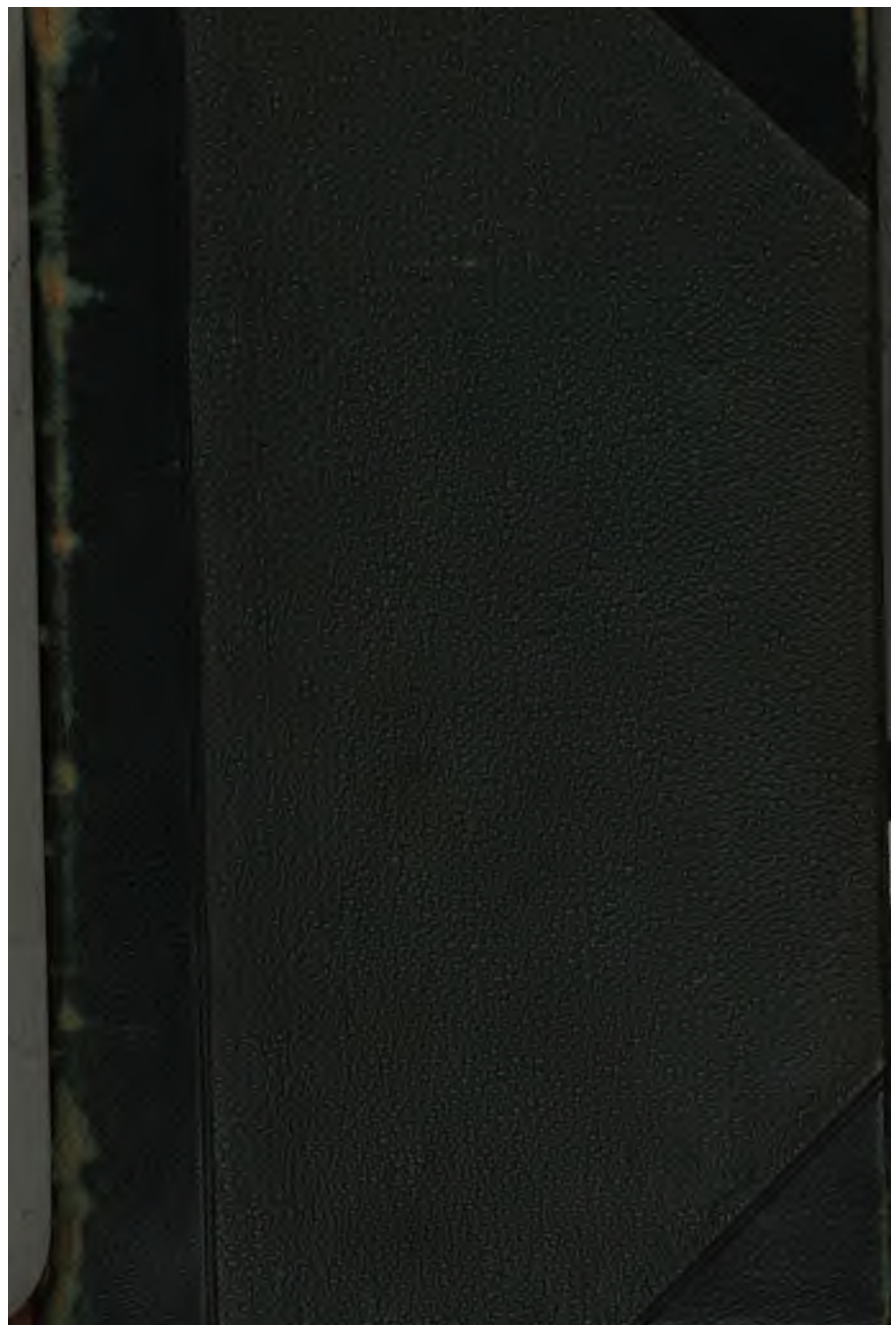
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>



18949 e. 422

G. 81. G. 10



F. BIBL. RADCL

B. M.
F. L.

B. M. F. 82
67





600030683Q

LIST
OF THE
SPECIMENS
OF
DIPTEROUS INSECTS
IN
THE COLLECTION
OF THE
BRITISH MUSEUM.

PART VI.
SUPPLEMENT II.

PRINTED BY ORDER OF THE TRUSTEES.
LONDON, 1854.

LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synonyms, and the description, if it appeared to have been before undescribed.

The Catalogue of Dipterous Insects has been prepared and the new species described by Mr. FRANCIS WALKER, F.L.S., so well known for his attention to this order of Insects.

This part contains a revision of the family *Acroceridæ* and part of the family *Asilidæ*, with a description of the species added since the former parts were printed.

JOHN EDWARD GRAY.

British Museum,
December, 1854.

LIST OF DIPTERA.

SECOND SERIES.

PART II.

Fam. 4. ACROCERIDÆ.

Corpus latum, globosum. Caput oculis exceptis minimum. Ocelli tres. Antennæ triarticulatæ, brevissime stylatæ. Alæ latæ. Halteres alulis sæpissime obtectæ. Abdomen magnum, segmentis quinque. Pedes simplices.

Acroceridæ, *Leach, Samouelle's Compendium; Curt.; Steph.; Westw.*

Acrocerides, *Leach, Edinb. Encycl.*

Bombyliarii, p., *Lam.*

Aplocera, p., *Dumeril.*

Inflatæ, *Latr.; Wied.*

Inflata, *Meig.; Gimm.*

Stratiomydæ, p., *Fall.*

Vesiculosa, *Macq.*

Asiphoniæ, p., *Rafinesque.*

Cyrtites, *Newman.*

Ogcodini, *Rondani.*

Inflata (Henopii), *Agassiz.*

Acrocerinæ, *Zett.*

Henopii, *Erichson.*

Cyrtidii, *Bigot.*

PART II.

- A. Proboscis longa.
- A. Antennæ triarticulatæ.
- a. Antennæ vertice insertæ. - - - 1. Panops.
- B. Antennæ fronte insertæ.
- a. Alarum costa non angulata. - - - 2. Lasia.
- b. Alarum costa angulata. - - - 3. Pteropexus.
- B. Antennæ biarticulatæ.
- a. Antennæ vertice insertæ.
- a. Vena subcostalis alæ dimidio longior. - 4. Cyrtus.
- b. Vena subcostalis alæ dimidio brevior. - 5. Exetasis.
- B. Antennæ fronte insertæ.
- a. Prothoracis lobi dorsales remoti. - - 6. Psilodera.
- b. Prothoracis lobi dorsales contigui.
- i. Oculi sub antennis contigui. - - - 7. Thyllis.
- ii. Oculi sub antennis divergentes. - - 8. Philopota.
- B. Proboscis brevis. Alulæ maximæ.
- A. Antennæ triarticulatæ.
- a. Antennæ vertice insertæ.
- a. Corpus vix villosum. - - - 9. Ocnæa.
- b. Corpus valde villosum. - - - 10. Eriosoma.
- B. Antennæ fronte inserta.
- a. Antennæ articulis basalibus disjunctis. 11. Astomella.
- b. Antennæ articulis basalibus connatis. - 12. Pialea.
- c. Antennæ capitis basi insertæ. - - 13. Physegaster.
- B. Antennæ biarticulatæ.
- a. Arista nulla. - - - 14. Pterodontia.
- b. Arista distincta.
- a. Antennæ vertice insertæ. - - - 15. Acrocera.
- b. Antennæ fronte insertæ. - - - 16. Terphis.
- C. Proboscis nulla. Os clausum. - - - 17. Henops.
- D. Proboscis brevis. Alulæ minimæ. - - 18. Sphærogaster.

Genus 1. PANOPS.

Oculi sub antennarum basi contigui. Ocelli tres. Proboscis longa. Antennæ triarticulatæ, vertice insertæ. Prothoracis lobi dorsales remoti.

Panops, *Lamarck, Ann. Mus. d'Hist. Nat.* iii. 263; *Latr. Encycl.* viii. 707; *Dict. d'Hist. Nat.* xxiv. 467; *Gen. Crust. et Ins.* iv. 316; *Oliv. ; Wied. ; Macq. ; Erichs.*
Mesophysa, Macq.

1. PANOPS BAUDINI.

Niger; antennæ concolores; abdominis segmenta 2um et 3um macula utrinque laterali flavescente; femora tibiæque apice albida; alæ subinfuscatæ, venis nigris.

Panops Baudini, *Lam. Ann. Mus. d'Hist. Nat.* iii. 266, pl. 22, f. 3;
Latr. Gen. Crust. et Ins. iv. 316; *Enc. Méth.* viii. 710, 1;
Dict. d'Hist. Nat. xxiv. 467. *Wied. Auss. Zweifl.* ii. 19, 2.
Macq. Hist. Nat. Dipt. i. 365, 2. *Erichs. Entomogr.* i. 141, 1.
Mesophysa marginata, Macq. Dipt. Exot. i. 2, 168, 2.
 New Holland.

2. PANOPS FLAVIPES.

Æneo-niger; ocelli tuberculo insertæ; antennæ basi, tibiæ tarsique flavida; alæ inauratæ, alulis albidis.

Panops flavipes, *Latr. Enc. Méth.* viii. 710, 2; *Dict. d'Hist. Nat.* xxiv. 467; *Cuv. Règn. Anim.* iii. *Wied. Auss. Zweifl.* ii. 649. *Erichs. Entomogr.* i. 141, 2.
Mesophysa scapularis, Macq. Dipt. Exot. i. 2, 167, 1.
 New Holland.

Genus 2. LASIA.

Oculi villosi, super antennarum basim contigui. Ocelli tres. Proboscis longa. Antennæ triarticulatæ, fronte insertæ. Prothoracis lobi dorsales remoti.

Lasia, Wied. Anal. Ent. ii.; *Auss. Zweifl.* i. 329; *Perty; Erichs.; Westw.*

Panops, p., Wied.; Macq.

Subcostal vein ending at much before two-thirds of the length of the wing; mediastinal ending at a little beyond five-sixths of the length; radial ending at a little beyond the mediastinal; the two branches of the cubital curved forward from the hinder part of the wing, and ending at some distance in front of the tip: three externo-medial veins; first running very near the cubital, and connected with it at the fork of the latter, extending like the third to the border of the wing; second not extending to the border, connected with the first and with the second by two transverse veinlets; subanal vein joining the anal at some distance from the border of the wing.

1. *LASIA FLAVITARSIS*.

Cyanea, cano hirta; proboscis, antennæ pedesque nigra; proboscis corpore longior; tarsi subtus rufo pubescentes; alæ subcinereæ, venis nigris.

Panops flavitarsis, *Wied.*; *Macq. Dipt. Exot.* i. 2, 166.

Lasia splendens, *Wied. Anal. Ent.* ii. f. 3; *Auss. Zweifl.* i. 330, 1, pl. 4, f. 3. *Erichs. Entomogr.* 144, 4.

Lasia flavitarsis, *Erichs. Entomogr.* i. 143, 1.

a. Santarem, Brazil. From Mr. Bates' collection.

b, c. Rio Tapayos, Brazil. From Mr. Bates' collection.

2. *LASIA CORVINA*.

Nigra, nitida; thorax nigro hirtus; alæ hyalinæ, costa nigra; alulæ nigricantes.

Lasia corvina, *Erichs. Entomogr.* i. 143, 2.

Chili.

3. *LASIA OCELLIGERA*.

Ænea; flavido hirta, proboscis testacea; antennæ nigræ, basi flavæ; tibiæ tarsique flavida; alæ hyalinæ, costa testacea.

Panops ocelliger, *Wied. Auss. Zweifl.* ii. 19, 3. *Macq. Dipt. Exot.* i. 2, 166, pl. 14, f. 1. *Guér. Icon. Règn. Anim. Ins.* pl. 94, f. 9.

Lasia ocelligera, *Erichs. Entomogr.* i. 143, pl. 94, f. 9.

Cassapawa, Brazil.

4. *LASIA AURICOMA*.

Cæruleo-viridis, nitida; thoracis dorsum cupreum; abdominis segmenta apicalia aureo pilosa; pedes nigri, tarsis luteis.

Lasia auricoma, *Westw. Trans. Ent. Soc. Lond.* v. 93.

Brazil.

5. *LASIA RUFIPES*.

Æneus; thorax et abdomen valde luc. pilosa, pedes alarumque venæ costales testaceæ.

Lasia rufipes, Westw. Trans. Ent. Soc. Lond. v. 92.

Brazil.

Genus 3. *PTEROPEXUS*.

Frons linearis. Oculi villosi. Proboscis longa. Palpi brevissimi. Antennæ capitis antici medio insertæ, articulo 1o subconico, 2o cyathiformi, 3o longo angusto. Alarum costa apicem versus angulata.

Pteropexius, Macq. Dipt. Exot. Suppl. 1, 97.

Subcostal vein ending before half the length of the wing; mediastinal ending at much beyond three-fourths of the length. Radial ending at a little in front of the tip. Cubital simple, ending at a little behind the tip. First, second, and fourth externo-medial veins complete; third abbreviated. Subanal vein joining the anal near the border. Discal areolet elongate, tetragonal.

1. *PTEROPEXUS BICOLOR*.

Mas. *Viridis*; facies antennarumque nigræ; abdomen violaceum; pedes fulvi; alæ subfusæ.

Pteropexius bicolor, Macq. Dipt. Exot. Suppl. 1, 92, 1, pl. f. 2.

New Grenada.

Genus 4. *CYRTUS*.

Oculi pubescentes, sub antennarum basi contigui. Ocelli tres. Proboscis longa. Antennæ biarticulatæ, vertice insertæ. Prothoracis lobi dorsales remoti.

Cyrtus, Latr. Precis. 151; Meig.; Wied.; Macq.; Erichs.

Acroocera, p., Fabr. Syst. Antl. 332.

Henops, p., Illig. Käf. Preuss. 500.

Costal vein ending at a little in front of the tip of the wing ; subcostal vein ending at much beyond half the length ; mediastinal ending at beyond five-sixths of the length ; radial nearly straight, ending at a little beyond the mediastinal ; first branch of the cubital ending in front of the tip of the wing ; second branch ending at much behind the tip ; three externo-medial veins extending to the border of the wing ; subanal vein joining the anal at some distance from the border ; discal areolet tetragonal, very long and narrow.

Europe.

1. CYRTUS GIBBUS.

Nigro flavoque varius ; abdomen subtus flavum, trifariam nigro maculatum ; pedes flavi ; alæ fusæ.

Acrocera gibba, Fabr.

Cyrtus acephalus, Duméril, Cons. Gen. Ins. pl. 48, f. 7.

Cyrtus gibbus, Erichs. Entomogr. 147, 1.

2. CYRTUS PUSILLUS.

Niger ; thorax flavo maculatus ; abdomen fasciis latis sinuatis interruptis flavis, subtus flavum trifariam nigro maculatum ; pedes flavi ; alæ fusæ.

Cyrtus pusillus, Macq. Hist. Nat. Dipt. i. 366, 2. Meig. Zweifl. vii. 101, 2. Erichs. Entomogr. 148, 2.

Cyrtus gibbus, Var. ?

South France.

North America.

3. CYRTUS MAGNUS.

Cyrtus magnus, Cat. of Diptera, Pt. 3, 511.

Africa.

4. CYRTUS DENTATUS.

Fœm. Niger ; thoracis latera flavo maculata ; abdomen fasciis interruptis emarginatisque flavis ; pedes flavi ; alæ fuscæ.

Cyrtus dentatus, *Macq. Dipt. Exot.* i. 2, 168, 1, pl. 14, f. 3.

Erichs. Entomogr. 148, 3.

Cyrtus gibbus, Var. ?

Algiers.

Genus 5. EXETASIS.

Antennæ triarticulatæ, capite paullo longiores; articulus 1us brevis, 2us adhuc brevior; 3us longissimus, linearis.

Exetasis, *Diptera Saundersiana*, Pt. 3, 202.

Subcostal vein ending before half the length of the wing; radial ending at beyond three-fourths of the length; cubital forked near its base, the first fork ending a little before, and the second a little behind, the tip of the wing; first, second and fourth externo-medial veins complete; third abbreviated; subanal and anal veins united on the border.

1. EXETASIS TUMENS.

Exetasis tumens, *Diptera Saundersiana*, Pt. 3, 203.

Brazil.

Genus 6. PSILODERA.

Oculi glabri, super antennarum basim contigui. Ocelli tres, minimi. Proboscis longa. Antennæ biarticulatæ, fronte insertæ. Prothoracis lobi dorsales remoti.

Psilodera, *G. R. Gray, Griff. Anim. Kingd. Ins.* xv. 779;

Erichs.

Cyrtus, p., *Wied.*

Mesocera, *Macq.*

Wings transversely rugulose: subcostal vein ending at a little beyond half the length of the wing; mediastinal ending at beyond five-sixths of the length; radial curved towards the disk, ending at a little beyond the mediastinal; branches of the cubital curved towards the hind border, and ending at a little in front of the tip of the wing: three externo-medial veins; subanal vein joining the anal at some distance from the border.

1. *PSILODERA VALIDA*.

Ænea; thorax flavido hirtus, humeris, lateribus punctisque duobus ante scutellum sulphureis; abdomen rufum, incisuris flavis; pedes sulphurei, tibiis anticis apice subtus nigris; alæ hyalinæ.

Cyrtus validus, Wied. *Auss. Zweifl.* ii. 131.

Mesocera flavicornis, Macq. *Dipt. Exot.* i. 2, 174, 1.

Psilodera valida, Erichs. *Entomogr.* 145, 1.

South Africa.

2. *PSILODERA BIPUNCTATA*.

Nigra; thorax humeris, lateribus punctisque binis ante scutellum sulphureis; abdomen ferruginosum, sulphureo fasciatum; alæ limpidæ.

Cyrtus bipunctatus, Wied. *Zool. Mag.* iii. 15, 20; *Auss. Zweifl.* ii. 14, 3, pl. 7, f. 1.

Psilodera bipunctata, Erichs. *Entomogr.* 145, 2.

Cape.

3. *PSILODERA FASCIATA*.

Nigra; thorax cinereo hirtus; abdomen albido fasciatum; pedes sulphurei; alæ flavescents.

Cyrtus fasciatus, Wied. *Zool. Mag.* iii. 14, 19; *Auss. Zweifl.* ii. 14, 2.

Psilodera capensis, G. R. Gray, Griff. *Anim. Kingd. Ins.* xv. 779, pl. 128, f. 4. *Westw. Trans. Ent. Soc. Lond.* v. 92.

Psilodera fasciata, Erichs. *Entomogr.* 146, 3.

4. *PSILODERA AFFINIS*.

Lutea; thorax plaga lata dorsali antice subito angustata ænea; abdomen supra saturate fusco testaceum, villosum, segmentis 1o ad 3um macula media nigra ad basim haud dilatata.

Psilodera affinis, Westw. *Trans. Ent. Soc. Lond.* v. 92.

Cape.

Genus 7. THYLLIS.

Oculi pubescentes, super et sub antennarum basi contigui. Ocelli tres. Proboscis longa. Antennæ biarticulatæ, fronte insertæ. Prothoracis lobi dorsales contigui.

Thyllis, *Erichs. Entomogr.* i. 149.

Acrocera, p., *Fabr.*

Cyrtus, p., *Wied.*

Subcostal vein ending at much beyond half the length of the wing; mediastinal ending at about three-fourths of the length; radial ending at about five-sixths of the length: first branch of the cubital obsolete; second ending at a little behind the tip of the wing; first and second externo-medial veins complete; third abbreviated; subanal and anal veins united near the border, to which they do not extend; discal areolet elongated, subtetragonal.

1. THYLLIS CRASSUS.

Nigra, rufo varia; prothoracis margo anticus, mesothoracis vitta lateralis flexuosa, abdominisque fasciæ interruptæ flava; alæ ad costam fuscæ.

Acrocera crassa, *Fabr. Syst. Antl.* 332, 2.

Cyrtus crassus, *Wied. Auss. Zweifl.* ii. 15, 4.

Thyllis crassa, *Erichs. Entomogr.* i. 150, 1.

Cape.

2. THYLLIS TURGIDA.

Nigra, rufo varia; prothoracis margo anticus et posticus, mesothoracisque vitta lateralis flava; alæ fusco hyalinæ, ad costam fuscæ.

Thyllis turgida, *Erichs. Entomogr.* i. 150, 2.

Cape.

3. THYLLIS OBESA.

Nigra; prothoracis margo anticus et posticus, mesothoracis vittæ 2 marginales, scutellum et segmentorum abdominalium margines postici flava; alæ hyalinæ, ad costam fuscæ.

Thyllis obesa, *Erichs. Entomogr.* i. 151, 3.

Cape.

4. THYLLIS COMPRESSA.

Nigra; thorax compressus, utrinque nitta maculisque posticis ferrugineis; abdomen oblongum, ferrugineum, segmentis macula basali biloba nigra.

Thyllis compressa, Erichs. Entomogr. 151, 4.

Cape.

Genus 8. PHILOPOTA.

Oculi subpubescentes, super antennarum basim contigui. Ocelli tres. Proboscis longa. Antennæ biarticulatæ, fronte insertæ. Prothoracis lobi dorsales contigui.

Philopota, Wied. Auss. Zweifl. ii. 17; Westw.; Macq.; Erichs.

Subcostal vein ending at much beyond half the length of the wing; mediastinal ending at much beyond the subcostal; radial ending at about seven-eighths of the length; branches of the cubital vein, externo-medial veins and subanal vein not extending to the border.

South America.

1. PHILOPOTA CONICA.

Nigra; thoracis limbus, abdominis margines lineæque transverse flava; tibiæ flavæ, anteriores nigro vittatæ; alæ rufo-fusca.

Philopota conica, Wied. Auss. Zweifl. ii. 17, 1, pl. 9, f. 1. Macq. Hist. Nat. Dipt. i. 366, 1; Dipt. Exot. ii. 171, 1, pl. 14, f. 4. Westw. Trans. Ent. Soc. Lond. v. 94. Erichs. Entomogr. i. 154, 4.

Brazil.

2. PHILOPOTA MACULICOLLIS.

Nigro-picea; facies angusta, inter oculos albida; proboscis flavæ, apice fusca; prothorax dorsi angulis posticis productis, apice extremo ferrugineo; mesothorax punctis duobus minutis anticis alterisque duobus cuneatis supra basim alarum ferrugineis; abdomen piceo-nigrum, margine laterali tenui subtili pallide flavo; femora nigra, basi rufa, apice luteo-fusca; tibiæ posticæ extus pallide flavæ; alæ infumate, dimidio postico pallidiore.

Philopota maculicollis, Westw. *Lond. and Edin. Phil. Mag.* 1835.

Trans. Ent. Soc. Lond. v. 93.

Philopota vidua, Erichs. *Entomogr.* i. 153, 1.

Brazil.

3. PHILOPOTA LITURATA.

Fusco-nigra ; *prothoracis margo anticus et posticus, mesothoracis utrinque linea flexuosa flava* ; *alæ fusco hyalinæ* ; *abdomen subopacum punctatissimum.*

Philopota liturata, Westw. *Trans. Ent. Soc. Lond.* v. 94.

Philopota ovata, Mas. ?

Brazil.

4. PHILOPOTA OVATA.

Fusca, punctatissima ; *thorax et abdomen basi lineis flavis notata* ; *alæ fusco hyalinæ, costâ late fusca.*

Philopota ovata, Westw. *Trans. Ent. Soc. Lond.* v. 95.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.

5. PHILOPOTA TUBERCULATA.

Nigra, luteo villosa ; *mesothorax postice bituberculatus* ; *alæ fusco hyalinæ, dimidio antico fusco, abdomen basi utrinque luteum.*

Philopota tuberculata, Westw. *Trans. Ent. Soc. Lond.* v. 95.

Brazil.

6. PHILOPOTA HISTRIO.

Æneo-nigra ; *prothoracis flavi latera vitta tenui nigra ad basim alarum extensa et cum margine tenui antico nigro mesothoracis litteram M formante* ; *coxæ anticæ flavæ.*

Philopota histrio, Erichs. *Entomogr.* i. 153, 2. Westw. *Trans. Ent. Soc. Lond.* v. 96.

Brazil.

7. PHILOPOTA TURBINATA.

Fusca, cinereo sericans; thoracis lituræ et macula abdominalis margo lateralis dentatus flava; pedes genibus omnibus illis que posticis extus sulphureis; alæ fusco hyalina, antice v. rarius infuscatæ; halteres albi.

Philopota turbinata, Erichs. Entomogr. i. 154, 3.

Brazil.

8. PHILOPOTA SOBRIA.

Philopota sobria, Diptera Saundersiana, Pt. 3, 196.

South America.

9. PHILOPOTA TEMPERATA.

Philopota temperata, Diptera Saundersiana, Pt. 3, 196.

South America.

Asia.

10. PHILOPOTA MURINA.

Mas et Fœm. Cinerea; abdominis margo lateralis pedesque albi; alæ fuscæ.

Philopota murina, Loew, Stett. Ent. Zeit. v. 163, 1, pl. 2, f. 17.

Asia Minor. Isle of Stanchio.

Genus 9. OCNÆA.

Oculi villosi, sub antennis approximati. Ocelli tres. Proboscis brevis. Antennæ triarticulatæ, vertice insertæ. Prothoracis lobes dorsales remoti.

Eriosoma, Macq. Dipt. Exot. i. 2, 172.

Ocnæa, Erichs. Entomogr. i. 155.

Acrocera, p., Wied.

Subcostal vein ending at about two-thirds of the length of the wing; mediastinal ending at about five-sixths of the length; radial ending at a little in front of the tip; cubital simple: four external medial veins, first and third abbreviated; subanal vein united with the anal on the border; discal areolet long, narrow, pentagonal.

1. *OCNÆA MICANS.*

* *Fusca*; thorax pube cinerea micante vestitus; abdominis segmenta 2um et 3um testacea; alæ fuscescente hyalinae.

Ocnæa micans, *Ericks. Entomogr. i. 155, 1.*

Mexico.

2. *OCNÆA LONGICORNIS.*

Nigra, nitida; thorax fusco villosus; abdomen testaceum, maculis trigonis dorsalibus nigris; alæ fuscescente hyalinae, ante apicem nigrae.

Ocnæa longicornis, *Ericks. Entomogr. i. 156, 2, pl. 1, f. 8.*

Brazil.

Genus 10. *ERIOSOMA.*

Corpus villosum. Proboscis brevis.

Eriosoma, *Macq. Dipt. Exot. i. 2, 172.*

Acrocera, p., *Wied.*

Ocnæa, p., *Ericks.*

Subcostal vein ending at beyond half the length of the wing; mediastinal ending at about two-thirds of the length; radial ending at about five-sixths of the length; cubital simple, united near the border with the first externo-medial; second externo-medial incomplete; third and fourth united near the border of the wing; subanal and anal united very near the border; discal areolet elongate, hexagonal.

1. *ERIOSOMA CALIDA.*

Lutea; pedes fuscis; alæ hyalinae, alulis eburneis, fusco limbatis.

Acrocera calida, *Wied. Auss. Zweifl. ii. 16, 1, pl. 7, f. 2.*

Eriosoma calida, *Macq. Dipt. Exot. i. 2, 173, 1, pl. 14, f. 5.*

Ocnæa calida, *Ericks. Entomogr. i. 157, 3.*

Brazil.

Genus 11. ASTOMELLA.

Caput humile, parvum, globosum. Oculi pilosuli, super antennis contigui. Ocelli obsoleti. Proboscis brevis. Antennæ approximatae, fronte insertae, capite longiores, triarticulatae; articuli 1us et 2us æquales, rotundati, breves; 3us oblongus, valde compressus, apice obtusus, 2o quadruplo longior. Thorax altus, convexus. Prothoracis lobi dorsales remoti. Abdomen oblongum, vesiculosum. Pedes sat longi et validi. Alæ corpore breviores, apice rotundatae. Alulæ magnæ, villosæ, diaphanæ margine calloso.

Astomella, *Leon Duf. Ann. Sci. Nat.* xxx. 210; *Erichs. Entomogr.* i. 157.

1. ASTOMELLA AUREA.

Nigra, fulvo villosa; abdomen globosum, testaceum, maculis magnis dorsalibus nigris; pedes testacei; alæ corpore haud breviores.

Astomella aurea, *Erichs. Entomogr.* i. 158, 1.

Portugal.

2. ASTOMELLA GRAVIS.

Nigra, luteo villosa; abdomen oblongum, incurvum, testaceum, maculis dorsalibus apiceque nigris; pedes testacei; alæ corpore multo breviores.

Astomella gravis, *Erichs. Entomogr.* i. 158, 2.

Syria.

3. ASTOMELLA CLAVICORNIS.

Nigra, cinereo villosa; abdomen incurvum, testaceum, segmentis basi macula magna dorsali transversa nigra; pedes testacei, posteriores tibiis tarsisque nigris; alæ hyalinae, corpore breviores, venis duabus costalibus nigris.

Astomella clavicornis, *Latr. Cons. Gén.* 443; *Dict. d'Hist. Nat.* iii. 33.

Astomella marginata, *Latr. Cons. Gén.* 443; *Nouv. Dict. d'Hist. Nat. Meig. Zweifl.* vii. 103, 1.

Astomella curviventris, *Dufour, Ann. Sci. Nat.* xxx. 210. *Erichs. Entomogr.* i. 159, 3.

Spain, near Madrid.

4. *ASTOMELLA LINDENII*.

Nigra, luteo villosa; abdomen testaceum, segmentis quatuor primis dorso nigro maculatis; pedes testacei; alæ abdomine breviores.

Astomella Vaxelii, Vanderlinden, Bull. Soc. Philomat. 1822; Dict. Class. Hist. Nat. Art. Astomella. Macq. Hist. Nat. Dipt. i. 367, 2.

Astomella Lindenii, Erichs. Entomogr. i. 159, 4.

Italy.

Genus 12. *PIALEA*.

Oculi hirti, remoti. Ocelli duo. Proboscis brevis. Antennæ triarticulatæ, fronte insertæ, basi connatæ. Prothoracis lobi dorsales remoti.

Pialea, Erichs. Entomogr. i. 160.

Subcostal vein ending at beyond half the length of the wing; mediastinal extending far beyond the subcostal; radial ending at far in front of the tip of the wing; cubital including the tip of the wing between its forks; two incomplete externo-medial veins; subanal vein nearly reaching the border; anal vein much abbreviated: discal areolet long, narrow, tetragonal.

1. *PIALEA LOMATA*.

Nigra, cinereo pubescens; abdominis limbus apicalis testaceus; pedes fuscii, femoribus basi pallidis, tibiis posticis basi pallidis infra medium incrassatis, tarsorum articulis 2o, 3o, 4o totis, 5o basi testaceis; alæ fusco hyalinæ; halteres fuscii.

Pialea lomata, Erichs. Entomogr. i. 161, 1, pl. 1, f. 9.

Brazil.

Genus 13. *PHYSEGASTER*.

Oculi villosi. Ocelli duo distincti. Proboscis brevis, occulta; antennæ triarticulatæ, capitis basi insertæ; articuli 1us et 2us brevis; 3us elongatus; arista nulla. Thorax villosus. Abdomen fere nudum. Pedes nudi; tibiæ apice subcalcaratæ.

Subcostal vein ending at much beyond half the length of the wing; mediastinal ending at a little beyond the subcostal; radial ending at some distance in front of the tip of the wing; cubital simple; first externo-medial complete; second and third abbreviated; subanal vein united to the anal at some distance from the border; discal areolet tetragonal, very long and narrow.

Physegaster, *Macq. Exped. de l'Alg.* iii. *Ins.* 445.

1. PHYSEGASTER MACULATUS.

Niger; *antennarum articulus 3us ad basim testaceus*; *thorax fulvo pilosus*; *abdomen flavo fulvescens, maculis trigonis flavis*; *pedes flavi, coxis tarsisque rufescentibus.*

Physegaster maculatus, *Macq. Exped. Alg.* iii. *Ins.* 445, 88, pl. 3, f. 6.

Algeria.

Genus 14. PTERODONTIA.

Corpus villosum. Oculi hirti, contigui. Ocelli tres. Proboscis brevis. Antennæ biarticulatæ, facie insertæ. Prothoracis lobi dorsales remoti. Alæ costa dilatata.

Pterodontia, *G. R. Gray, Griff. Anim. Kingd.* xv. 779; *Macq.; Erichs.; Westw.*

Henops? *p., Klug.; Meig.*

Costa forming a tooth between the tips of the subcostal and mediastinal veins; costal vein ending at a little in front of the tip of the wing; subcostal ending at a little beyond half the length; mediastinal ending at beyond two-thirds of the length; radial ending at a little beyond the mediastinal; cubital not forked, ending at far in front of the tip of the wing; one externo-medial vein extending to the border; subanal and anal veins united near the border.

1. PTERODONTIA FLAVIPES.

Nigra; *scutellum et abdomen basi ad dorsum nigro maculata*; *abdomen testaceum*; *pedes pallidi, femoribus posterioribus nigris.*

Pterodontia flavipes, *G. R. Gray.*

Georgia.

2. PTERODONTIA ANALIS.

Nigra; abdominis segmenta apicalia fulva, alulæ margine nigricantes; alæ hyalinæ, venis albidis; pedes pallidi.

Pterodontia analis, Westw. Trans. Ent. Soc. Lond. v. 97.

Georgia.

The five following species may probably be removed from this genus.

3. PTERODONTIA WAXELII.

Nigra; abdomen testaceum, vitta dorsali abbreviata punctoque posteriore nigris; pedes testacei, femoribus posterioribus nigris; alæ hyalinæ, basin versus flavescens, costa pallide testacea.

Henops Waxelii, Klug, Mag. der Naturf. Gesellsch. zu Berl. i. 265, pl. 7, f. 6. Meig. Zweifl. iii. 101, 5.

Pterodontia Waxelii, Erichs. Entomogr. i. 162, 1.

Astomella?

Achtiar, Black Sea.

4. PTERODONTIA ANALIS. (Nomen bis lectum.)

Mas. *Nigra*; abdomen postice fulvum, punctis dorsalibus nigris; pedes fulvi, femoribus posterioribus nigris, tursis flavis; alæ subflavescens, macula costali subfusca.

Pterodontia analis, Macq. Dipt. Exot. Suppl. 1, 98, 1, pl. 9, f. 4.

New Grenada. Temperate Region.

5. PTERODONTIA VIRMONDII.

Nigra, nigro villosa; abdomen testaceum, basi maculisque dorsalibus et lateralibus nigris; pedes testacei, posteriores basi nigri; alæ hyalinæ, costa flavescens testacea.

Pterodontia Virmondii, Erichs. Entomogr. i. 163, 3.

Brazil.

6. PTERODONTIA MELLII.

Nigra; abdomen testaceum, basi vittaque dorsali integra nigris;
pedes antici testacei basi nigri, posteriores nigri tarsis testaceis;
alæ hyalinæ, costæ testaceæ.

Pterodontia Mellii, *Erichs. Entomogr.* i. 163, 2.

Liverpool Plains, New Holland.

7. PTERODONTIA MACQUARTII.

Atræ; scutellum abdominisque latera rufa; pedes flavi, femoribus
anticis nigris.

Pterodontia Macquartii, *Westw. Trans. Ent. Soc. Lond.* v. 97.

Pterodontia flavipes, *Macq. Dipt. Exot.* i. 2, 175.

Pterodontia Mellii, Var. ?

New Holland.

Genus 15. ACROCERA.

Corpus minoris magnitudinis, subglobosum, gibbum, breviter
pubescens, nigricans. Oculi glabri, sub antennis contigui. Ocelli
tres. Proboscis brevis. Antennæ biarticulatæ, vertice insertæ.
Prothoracis lobi dorsales remoti. Alarum vena subapicalis furcata.

Acrocera, *Meig. Illig. Mag.*; *Klass.* 147; *Latr.*; *Macq.*; *Zett.*;
Erichs.

Syrphus, p., *Fabr. Ent. Syst.*; *Panz.*

Henops, p., *Fabr. Syst. Anil.*; *Meig. Klass.*; *Zett.*

Costal vein ending at a little in front of the tip of the wing;
subcostal ending at beyond half the length; mediastinal ending at
a little beyond the subcostal; radial ending at about four-fifths of
the length; first branch of the cubital ending at a little in front of
the tip of the wing; second branch ending at much behind the tip;
one externo-medial vein reaching the border; anal not united to
the subanal.

Europe.

1. ACROCERA SANGUINEA.

Nigra; alæ subcinereæ. Mas.—Thorax testaceo quadrivittatus; abdomen supra testaceum, e maculis transversis nigris trivittatum; pedes testacei. Fœm.—Abdomen supra rufum, maculis nigris trivittatum; pedes picei, genibus fulvis.

Acrocera sanguinea, Latr.; Erichs. Entomogr. i. 167, 5.

2. ACROCERA NIGROFEMORATA.

Nigra; abdomen testaceum, punctis dorsalibus nigris; pedes rufo testacei, femoribus nigris; alæ fuscæ.

Acrocera nigrofemorata, Meig. Klass. 148, 4; Zweifl. iii. 95, 2, pl. 24, f. 10. Erichs. Entomogr. i. 167, 6.

Acrocera sanguinea, Var.?

3. ACROCERA GLOBULUS.

Mas.—Nigra; antennæ fulvæ, apice nigræ; thoracis latera flavo maculata et fasciata, scutellum flavum; abdomen luteum, basi nigro fasciatum, lateribus nigro maculatis; pedes flavi; alæ limpidæ. Fœm.—Nigra; thoracis latera flavo maculata et fasciata; abdomen fulvum, apice flavo fasciatum; pedes fulvi.

Acrocera globulus, Latr.; Zett. Dipt. Scand. i. 229, 1. Erichs. Entomogr. i. 165, 1. Gimm. Bull. Soc. Imp. Nat. Mosc. 1847, xx. 3, 166, 1.

Acrocera albipes, Meig.

4. ACROCERA ORBICULUS.

Nigra; abdomen fuscum, segmento 2o 3oque maculis duabus, reliquis totis albidis; pedes albidi; alæ hyalinæ; halteres albi.

Syrphus orbiculus, Fabr. Ent. Syst. iv. 311, 122.

Henops orbiculus, Fabr. Syst. Antl. 334, 2. Meig. Klass. i. 152, a.

Acrocera orbiculus, *Meig. Zweifl.* iii. 97, 5. *Macq. Dipt. Nord. Asil.* 92, 1; *Hist. Nat. Dipt.* i. 370, 3. *Erichs. Entomogr.* i. 165, 2.

Ogcodes pubescens? *Latr. Hist. Nat. Ins.* xiv. 315, 2.

Hartz District, Germany.

5. ACROCERA TUMIDA.

Nigra, nitida; abdomen aurantiacum, segmentis 2o 3oque nigris aurantiaco maculatis, 4o nigro maculato; pedes testacei, genibus tarsisque albidis; alæ hyalinæ; halteres albi.

Acrocera tumida, *Erichs. Entomogr.* i. 166, 3.

Germany?

6. ACROCERA BOREALIS.

Nigra; thorax macula humerali parva et alia juxta scutellum utrinque valde obsoleta, albidis; pedes pallidi, tarsi apice fuscis; alæ hyalinæ.

Acrocera borealis, *Zett. Ins. Lapp.* 573, 1; *Dipt. Scand.* i. 230, 2. *Erichs. Entomogr.* i. 167, 7.

Lapland.

7. ACROCERA TRIGRAMMA.

Pallide flavescens; thorax vittis tribus, abdomen macularum serie triplici nigris.

Acrocera trigramma, *Loew, Ent. Zeit. Stett.* 1845, 290.

Sicily.

North America.

8. ACROCERA FASCIATA.

Nigra; abdomen flavum, fasciis tribus nigris, anterioribus utrinque connexis; pedes albidis.

Acrocera fasciata, *Wied. Auss. Zweifl.* ii. 16, 2. *Erichs. Entomogr.* i. 166, 4.

Georgia.

9. ACROCERA NIGRINA.

Nigra, nitida, tenuissime punctata; alæ fusco pallide tinctæ, venis piceis distinctis, alulis fusco marginatis; abdomen punctis duobus minutis ad segmenti penultimi marginem posticum margineque tenui segmenti ultimi albidis; pedes obscure luteo-albidi, femoribus tibiisque in medio obscurioribus.

Acrocera nigrina, Westw.

Georgia.

10. ACROCERA BULLA.

Nigra; alæ hyalinæ, costa venisque fuscis; abdomen albidum basi (in medio dentata) fascia ad segmenti 2i basim, maculaque media ad 3i basim anoque nigris; pedes albidi, unguibus nigris.

Acrocera bulla, Westw.

New York.

11. ACROCERA SUBFASCIATA.

Nigra; thorax utrinque maculis duabus cuneiformibus fulvis; abdomen fuscum, segmento 1o ad apicem maculis duabus transversis fasciaque apicali utrinque abbreviata luteis, sequentibus luteo marginatis.

Acrocera subfasciata, Westw.

New York.

12. ACROCERA UNGUICULATA.

Nigra; alarum venæ fere obsoletæ; abdomen fulvum, basi maculisque nigris; pedes albi, unguibus nigris.

Acrocera unguiculata, Westw.

Georgia.

13. *ACROCERA FUMIPENNIS*.

Nigra, nitida; alæ hyalinæ, basim versus fusco infumatae, venis basim versus obscuris ad apices tamen fere oblitteratis, alulis fuscis; pedes albidî.

Acrocera fumipennis, Westw.

Georgia.

Country unknown.

14. *ACROCERA BICOLOR*.

Mas. *Nigra; abdomen testaceum, basi nigrum; pedes flavi; alæ hyalinæ.*

Acrocera bicolor, Macq. Dipt. Exot. Suppl. 1, 99, 1.

Genus 16. *TERPHIS*.

Oculi glabri, super et sub antennarum basi contigui. Ocelli duo. Proboscis brevis. Antennæ biarticulatæ, fronte inferiore insertæ. Prothoracis lobi dorsales contigui.

Terphis, Erichs. Entomogr. i. 168.

Subcostal vein ending at much beyond half the length of the wing; mediastinal ending at a little before three-fourths of the length; radial ending at before five-sixths of the length: first branch of the cubital obsolete, second ending at behind the tip of the wing; two externo-medial veins and subanal vein complete; discal areolet elongated, subpentagonal.

1. *TERPHIS NODOSA*.

Fusca, nigro varia, albo maculata; abdominis dorsum biserialiter tuberculatum; pedes testacei, albo varii, basi nigri; alæ hyalinæ, venis halteribusque albidis.

Terphis nodosa, Erichs. Entomogr. i. 169, 1, pl. 1, f. 10.

Brazil.

Genus 17. HENOPS.

Corpus minoris magnitudinis, subglobosum, gibbum, breviter pubescens, nigricans. Oculi glabri, super antennarum basim contigui. Ocelli duo. Proboscis nulla. Antennæ biarticulatæ facie insertæ. Prothoracis lobi dorsales remoti.

Henops, *Illig. Mag.* (1798); *Meig.*; *Fabr.*; *Fall.*; *Zett.*

Musca, p., *Linn.*

Syrphus, p., *Penz.*

Ogcodes, p., *Latr. Précis.* 154.

Ogcodes, p., *Macq.*; *Ericks.*; *Gimm.*

Oncodes, *Ericks.*

Subcostal ending at much beyond half the length of the wing; mediastinal ending at a little beyond the subcostal; radial ending at about five-sixths of the length; cubital simple, ending at some distance behind the tip of the wing; one externo-medial extending to the border; subanal distinct.

Europe.

1. HENOPS GIBBOSUS.

Nigro-fuscus; antennæ nigrae; thoracis latera fulvo maculata et fasciata; abdomen fuscum, segmentorum marginibus posticis ventrequè flavis; pedes fulvi, femoribus nonnunquam nigris; alæ limpida.

Musca gibbosa, *Linn.*

Henops gibbosus, *Fabr. Zett. Dipt. Scand.* i. 231, 1.

Ogcodes gibbosus, *Latr. Guér. Icon. Règn. Anim.* pl. 94, f. 10.

Macq. Hist. Nat. Dipt. i. 368, 1; *Exped. Scient. Alg. Ins.*

446, 89. *Ericks. Entomogr.* i. 170. 1. *Gimm. Bull. Soc.*

Imp. Nat. Mosc. xx. 3, 167, 1.

Europe. North Africa.

2. HENOPS ZONATUS.

Niger; abdomen album, segmentis basi nigris; pedes testacei, femoribus basi, tibiis medio tarsisque fuscis; alæ hyalinae; halteres testacei, apice nigri.

Ogcodes gibbosus, *Latr. Encycl.* viii. 471, 1; *Hist. Nat. Cr. et Ins.* xiv. 315, 1, pl. 109, f. 10.

Ogcodes zonatus, *Erichs. Entomogr.* i. 170, 2.

Henops gibbosus, Var. ?

Germany.

3. HENOPS CINGULATUS.

Niger ; abdomen supra nigro-piceum segmentis singulis albo marginatis, subtus album ; pedes testacei, femoribus nigris ; alæ hyalinæ ; halteres apice albi.

Ogcodes cingulatus, *Erichs. Entomogr.* i. 171, 3.

Henops gibbosus, Var. ?

Germany.

4. HENOPS PALLIPES.

Niger ; abdomen supra piceum, segmentis singulis albo marginatis, subtus album ; pedes testacei ; alæ hyalinæ ; halteres apice picei.

Henops marginatus, *Zett. Dipt. Scand.* i. 231, 2.

Henops gibbosus, *Meig. Klass.* 151, 1. *Fall. Strat.* 3, 2.

Ogcodes pallipes, *Latr. Encycl.* viii. 471, 3. *Macq. Dipt. Nord. Asil.* 95, 3. *Erichs. Entomogr.* i. 172, 4. *Gimm. Bull. Soc. Imp. Nat. Mosc.* xx. 3, 167, 2.

Henops pallipes, *Meig. Zweifl.* vii. 102, 9.

Ogcodes marginatus, *Macq. Dipt. Nord. Asil.* 94, 2.

Henops gibbosus, Var. ?

5. HENOPS FULIGINOSUS.

Niger ; abdomen supra piceum, segmentis albido marginatis ; pedes testacei, femoribus nigris ; alæ fuliginosæ.

Ogcodes fuliginosus, *Erichs. Entomogr.* i. 172, 5.

Germany. Sicily.

6. HENOPS VARIUS.

Niger ; abdomen testaceum, segmentis apice albo marginatis, basi nigro maculatis ; pedes testacei, basi nigri ; alæ basi fuliginosæ, apice hyalinæ.

Ogcodes varius, Latr. *Encycl. Méth.* viii. 471, 4. *Macq. Dipt. Nord. Asil.* 95, 4. *Erichs. Entomogr.* i. 173, 6.

Henops limbatus, Meig. *Zweifl.* iii. 100, 3.

Henops varius, Meig. *Zweifl.* vii. 101, 1.

Germany.

7. HENOPS APICALIS.

Niger; *abdominis incisura flavæ*; *pedes testacei*; *alæ hyalinæ*, *marginæ antica apiceque fuscis*.

Henops apicalis, Meig. *Zweifl.* iii. 101, 4.

Germany.

8. HENOPS NIGRIPES.

Niger; *thorax cinereo pubescens*; *abdomen incisuris albis*; *pedes nigri vel nigro-picei*; *alulæ albæ, nigro marginatæ*.

Henops nigripes, Zett. *Ins. Lapp.* 574, 1; *Dipt. Scand.* i. 232, 3.

Ogcodes nigripes, *Erichs. Entomogr.* i. 174, 4.

Lap and.

Asia.

9. HENOPS COSTALIS.

Henops costalis, *Diptera Saundersiana*, Pt. 3, 203.

East Indies.

Australia.

10. HENOPS BASALIS.

Henops basalis, *Diptera Saundersiana*, Pt. 3, 203.

New South Wales.

Country unknown.

11. HENOPS FUMATUS.

Nigra; *pectoris ventrisque latera albæ*; *abdominis segmenta dorsalia albo marginata*; *pedes testacei, femoribus albidis*; *alæ fuliginosæ*.

Oncodes fumatus, *Erichson, Archiv. Naturg.* 1846, xii. 288.

PART II.

2 I

Genus 18. SPHÆROGASTER.

Corpus minutum, ovatum, crassum. Caput mediocriter magnum. Proboscis porrecta, longitudine capitis. Antennæ triarticulatæ, frontis medio insertæ, arista brevissima crassiuscula. Alarum areola discalis venulas 4 subobsoletas emittens, in summum marginem interiorem descendentes. Alulæ minimæ.

Platygaster, Zett. *Ins. Lapp.* 574.

Sphærogaster, Zett. *Dipt. Scand.* i. 22, 232.

This genus may belong to another family.

1. SPHÆROGASTER ARCTICUS.

Ater, subnitidus, glaber; thorax lineis duabus humeralibus albis; pedes nigri, genubus tarsisque fuscis; alæ hyalinæ; halteres albi.

Platygaster arcticus, Zett. *Ins. Lapp.* 574, 1.

Sphærogaster arcticus, Zett. *Dipt. Scand.* i. 233, 1.

Lapland.

Fam. 5. ASILIDÆ.

Corpus magnum, aut mediocre, angustum, cylindricum, hirsutum. Frons et vertex impressa. Epistoma plerumque barbatum. Oculi remoti. Proboscis valida, brevis, cornea, acuta, porrecta aut obliqua. Antennæ porrectæ, basi approximatae. Abdomen segmentis 8. Pedes sæpissime validi, spinosi. Alæ incumbentes.

Asilidæ, Leach; Sam. *Comp.*; Curt.; Westw.

Bombyliarii, p., Lam.

Empidia, p., Rafinesque.

Asilici, Latr.; Fall.; Meig.; Macq.; Zett.; Agassiz; Loew.

Sclerostoma, p., Duméril.

Tanystomata Asilida, Perty.

Asilica, Burm.

Asilites, Newm.

Asilinae et Mydasinae, Rondani.

Mydasii et Pomacerites, Macq.

Asilidii et Apomeridii, Bigot.

Tetrachætæ Tanystoma, p., Macq.

- Antennæ 5- aut 4-articulatæ. Ocelli nulli. Sub-fam. 1. *Mydasites*.
 Antennæ 3-articulatæ. Ocelli tres.
 Alæ areola radiali aperta. - - - 2. *Dasypogonites*.
 Alæ areola radiali clausa.
 Arista nulla. - - - - - 3. *Laphrites*.
 Arista elongata. - - - - - 4. *Asilites*.

Sub-fam. 1. MYDASITES.

Caput vertice concava. Facies sæpissime mystacina. Ocelli nulli. Proboscis labiis apicalibus crassis. Palpi tennes, acuminati, nudi. Pedes setosi. Alæ areola submarginali clausa, areolis externo-medialibus tribus aut quatuor.

Mydasii, *Macq.*

Aplocera, *Macq.*

- A. Antennæ 5-articulatæ.
 A. Proboscis brevis.
 a. Antennæ articulo 5o elongato.
 a. Abdomen elongatum. - - - 1. *Mydas*.
 b. Abdomen longissimum. - - - 2. *Dolichogaster*.
 B. Antennæ articulo 5o rotundato. - - - 3. *Rhopalia*.
 B. Proboscis elongata, tenuis. - - - 4. *Cephalocera*.
 B. Antennæ 4-articulatæ. - - - - - 5. *Apiocera*.

Genus 1. MYDAS.

Proboscis brevis. Antennæ 5-articulatæ, sat longæ, articuli 1us et 2us breves, 3us et 4us longi, angusti, 4us 3o brevior, 5us latior, fusiformis.

Mydas, *Fabr.*; *Meig.*; *Macq.*

Midas, *Wied.*; *Westw.*

Mediastinal vein joining the costal at rather beyond two-thirds of the length of the wing. Subcostal ending at a little in front of the tip. Radial and the two branches of the cubital joining the subcostal at equal distances from each other, the hind branch ending at very near the tip of the subcostal. Cubital ejecting the stump of a vein from its fork. Subapical or first externo-medial vein forming a curve nearly parallel to that of the hind branch of

the cubital, joining the costal very near the tip of the wing; the following externo-medial veins joining the first, curved and parallel to the border, and not connected with it except by a short fork from the hindmost. Subanal and anal united near the border.

Europe.

1. MYDAS LUSITANICUS.

Nigro-cinereus, albido villosus; thorax albo quadrivittatus; abdominis incisuræ albidae, 2a fulvenscens; alæ flavidæ venis rufis.

Mydas lusitanicus, Wied.; Meig. *Zweifl.* ii. 130; vi. pl. 66, f. 1, 2. Wied. *Mon. Mid.* pl. 54, f. 181. Macq. *Hist. Nat. Dipt.* i. 274. Westw. *Arc.* i. 54, 33. L.-Duf. *Ann. Soc. Ent. Fr. 2me Sér.* viii. 143, 7, pl. 6, f. 7.

Spain. Portugal.

2. MYDAS FULVIVENTRIS.

Niger; thorax vitta laterali virgulaque humerali subcinereis; abdominis segmenta 2um, 3um, 4um et 5um supra fulva, margine subcinerea; alæ venis subfumosis.

Midas fulviventris, L.-Duf. *Ann. Soc. Ent. Fr.* viii. 145, 8.

Tarragona, Spain.

3. MYDAS RUFIPES.

Fusco-niger; antennæ vix capite longiores; abdomen fulvum, segmento basali nigro, apice subfusco; pedes fusco-rufi; alæ fuscae.

Midas rufipes, Westw. *Arc.* i. 54, 35.

Sicily?

North America.

- | | | | | | | |
|--------------------|---|---|---|---|---|--------------------|
| A. Alæ sublimpidæ. | - | - | - | - | - | crassipes, Westw. |
| B. Alæ flavidæ. | - | - | - | - | - | fulvifrons, Illig. |
| C. Alæ fuscae. | | | | | | |

- | | | | | | |
|-----------|--------------------------------------------------|-------------------|---|---|-----------------------|
| A. | Abdomen totum nigrum. | - | - | - | tibialis, Wied. |
| B. | Abdomen nigrum, incisuris flavis. | - | - | - | incisus, Macq. |
| C. | Abdomen nigrum, basi et apice fulvescens. | | | | pachygaster, Westw. |
| D. | Abdomen testaceo-fuscum, nigro varium, | fasciis pallidis. | | | maculiventris, Westw. |
| E. | Abdomen fulvum, flavo-nigroque varium. | | | | parvulus, Westw. |
| D. | Alæ nigræ. | - | - | - | clavatus, Drury. |
| E. | Alæ chalybeæ. | - | - | - | iopterus, Wied. |

4. MYDAS CRASSIPES.

Fœm. *Totus niger; antennæ breviores, thorax et abdomen nitida; pedes breves, femoribus posticis incrassatis dentatis; alæ subpellucidæ, vena radiali apiceque fusco tinctis.*

Midas crassipes, Westw. Arc. i. 51, 9, pl. 13, f. 3.

North America?

5. MYDAS FULVIFRONS.

Niger; epistoma fulvo hirtum; antennæ apice rufescentes; abdomen medio melleum; tibiæ subrubido-fuscae; alæ flavae.

Midas fulvifrons, Illig. *Mag. Insektenkunde*. i. 206, 32. *Wied.*
Nova Acta Acad. Nat. Cur. xv. 1; *Mon. Mid.* pl. 53, f. 13;
Auss. Zweifl. ii. 629, 33. *Westw. Arc.* i. 52, 23.

Georgia.

6. MYDAS TIBIALIS.

Niger; tibiæ tarsique lutea; alæ fuscæ.

Midas tibialis, Wied. *Nova Acta Acad. Nat. Cur.* xv. 1, pl. 2, f. 6.
Auss. Zweifl. ii. 627, 30. *Westw. Arc.* i. 51, 11.

Baltimore.

7. MYDAS INCISUS.

Niger; abdominis incisuræ flavæ, segmento basali omnino nigro; alæ fusæ.

Mydas incisus, Macq. Dipt. Exot. i. 2, 11, 1, pl. 1, f. 1. Westw. Arc. 1, 53.

Carolina.

8. MYDAS PACHYGASTER.

Rubiginosus; oculi nigri, intus sericie albicante marginatæ; antennæ articulo 3o fulvo, 4o nigricante; thoracis dorsum nigro vittatum; abdomen thorace latius, segmento 1o et ultimo fulvescentibus, 1o basi obscuro, intermediis nigris marginæ tenui postico flavo; alæ fuscæ, ad costam melleo tinctæ venis obscurius marginatis.

Midas pachygaster, Westw. Arc. i. 53, 24, pl. 13, f. 4.

Georgia.

9. MYDAS MACULIVENTRIS.

Obscure niger; abdomen testaceo-fuscanum, segmentis supra apicem pallidis et (nisi segmentis duobus basalibus) macula triangulari nigra in medio notatis, his maculis versus apicem abdominis magnitudine crescentibus, segmento anali fusco; pedes piceo-nigri; alæ flavido-fuscanæ, venis in parte postica obscurius marginatis.

Midas maculiventris, Westw. Lond. and Edinb. Phil. Mag. 1835 Arc. 1, 53, pl. 13, f. 5.

Georgia.

10. MYDAS PARVULUS.

Obscure fulvus; oculi nigri, intus sericie alba marginali; antennæ nigricantes, basi subluteæ; thorax vittis quatuor nigricantibus, duabus lateralibus antice, intermediis duabus postice, abbreviatis; abdomen flavo punctatum, segmentis 2o et sequentibus nigro fasciatis, fasciis in segmentis posticis multo latioribus; pedes fulvi; alæ fuscæ, costa magis lutescente.

Midas parvulus, Westw.

Georgia.

11. MYDAS CLAVATUS.

Niger; *abdominis segmentum 2um aurantiacum*; *ala nigra*.

Musca clavata, *Drury, Ill.* i. pl. 44, f. 1; ii. *Append.*

Midas filatus, *Wied. Mon. Mid.* pl. 53, f. 8.

Bibio illucens, *Fabr. Syst. Ent.* 756, 1.

Midas clavatus, *Westw. Arc.* i. 51, 14.

North America.

12. MYDAS IOPTERUS.

Niger; *antennae breves*; *abdomen utrinque maculis duabus flavidis*; *ala chalybea*.

Midas iopterus, *Wied.*

North and South America.

Mexico.

A. Abdomen totum nigrum.

A. *Antennae nigrae*. - - - - *senilis*, *Westw.*

B. *Antennae apice rubidae*. - - - - *rubidapex*, *Wied.*

B. Abdomen fasciis tribus flavis. - - - - *interruptus*, *Wied.*

C. Abdomen fasciis sex flavis. - - - - *basalis*, *Westw.*

13. MYDAS SENILIS.

Totus niger cinereo setosus, *barba cinerea*; *ala fuscana*, *costa magis fulvescente*, *venis posticis fusco marginatis*, *areola media versus marginem posticum venam brevem ad marginem currentem haud emittente*.

Midas senilis, *Westw. Arc. Ent.* i. 52, 21.

Mexico.

14. MYDAS RUBIDAPEX.

Niger; *antennae apice rubidae*; *ala rubido-flava*, *extrema basi nigra*.

Midas rubidapex, *Wied. Nova Acta Acad. Nat. Cur.* xv. 1, pl. 1, f. 2.; *Auss. Zweifl.* ii. 626, 27. *Westw. Arc. Ent.* i. 51, 4.

Mexico.

15. MYDAS INTERRUPTUS.

Niger; abdomen fasciis tribus flavis, 1a utrinque interrupta; alæ fusco-flavæ.

Midas interruptus, *Wied. Nova Acta Acad. Nat. Cur.* xv. 1, pl. 2.
Mon. Mid. pl. 53, f. 12; *Auss. Zweifl.* ii. 628, 31. *Westw.*
Arc. i. 52, 20.

Mexico.

16. MYDAS BASALIS.

Fœm. Niger; facies fulva; antennæ basi fulvæ; thoracis dorsum obscure ferruginosum, vitta media nigra; abdomen crassum, segmentis 2—7 flavo marginatis; pedes fulvi, coxis femoribusque anterioribus basi nigris; alæ flavido-fuscane, venis fulvis.

Midas basalis, *Westw. Arc.* 53, 25.

Mexico.

West Indies.

17. MYDAS TRICOLOR.

Niger; epistoma auratum; thorax rubidus; abdomen chalybeum; femora postica rufa; alæ flavidæ.

Midas tricolor, *Wied. Nova Acta Acad. Nat. Cur.* xv. 1, pl. 1, f. 5;
Auss. Zweifl. ii. 627, 29. *Westw. Arc.* i. 51, 10.

Cuba.

South America.

A. Abdomen totum chalybeum, aut cupreum, aut nigrum.

A. Abdomen basi flavo pilosum.

a. Abdomen atrum. - - - - heros, *Perty.*

B. Abdomen purpureo cæruleum. - - - dives, *Westw.*

B. Abdomen basi nigro pilosum.

a. Abdomen chalybeum aut nigrum.

a. Antennæ omnino nigræ.

i. Abdomen chalybeum.

* Epistoma nigro hirtum. - giganteus, *Thunb.*

- | | | | | |
|-------------------------------------------|---|---|---|----------------------|
| ** Epistoma albo hirtum. | - | - | - | leucops, Wied. |
| ii. Abdomen nigrum. | | | | |
| * Thorax albido vittatus. | - | - | - | virgatus, Wied. |
| ** Thorax non vittatus. | - | - | - | atratus, Macq. |
| b. Antennæ rubidæ, basi annuloque nigris. | | | | |
| | | | | annulicornis, Westw. |
| c. Antennæ rubidæ, basi nigræ. | | | | |
| i. Abdomen nigrum. | - | - | - | mystaceus, Wied. |
| ii. Abdomen chalybeum, medio nigrum. | | | | apicalis, Wied. |
| B. Abdomen cupreum. | - | - | - | nitidulus, Oliv. |
| B. Abdomen fasciis pallidis. | | | | |
| A. Pedes antici nigri. | - | - | - | gracilis, Macq. |
| B. Pedes antici flavi. | - | - | - | notospilus, Wied. |

18. MYDAS HEROS.

Aler; antennæ ferrugineæ; abdominis segmentum luum sulphureo hirtum; alæ antice testaceæ, costa et venis fusco-nigris.

Midas heros, *Perty, Delect. Anim. Artic. Bras.* pl. 36, f. 11;
Westw. Arc. Ent. i. 50, 1.

Brazil.

19. MYDAS DIVES.

Niger; antennæ fulvæ, basi nigre; thorax villis cinerascentibus; abdomen segmento 1o aureo piloso, 2o aureo sericante, reliquis læte purpureo-cæruleis; pedes longi; alæ fulvæ basi obscuriore margineque postico translucente.

Midas dives, *Westw.*

Brazil.

20. MYDAS GIGANTEUS

Alar, thorax vittis dilutionibus; abdomen chalybeum; alæ margine interno apiceque fuscato-flavidis. Mas.—Abdomen chalybeum; alæ cothurnatæ vel fuscæ. Fœm.—Abdomen viridæscens; alæ nigræ.

Mydas giganteus, *Thunb.*

Var.? *Mydas caeruleus*, Oliv. *Enc. Méth.* viii. 81.

a, b, Rio Tapayos, Brazil. From Mr. Bates' collection.

21. MYDAS LEUCOPS.

Niger; epistoma albo hirtum; thorax vittis tribus albo hirtis; abdomen chalybeum; alæ sinuato fuscato-flavæ, marginis interno flavido.

Midas leucops, *Wied. Nova Acta Acad. Nat. Cur.* xv. 1, pl. 2;
Mon. Mid. pl. 53, f. 10; *Auss. Zweifl.* ii. 628, 32. *Westw. Arc.* i. 52, 17.

Brazil.

22. MYDAS VIRGATUS.

Niger; thorax vittis albo micantibus; alæ infumatae.

Midas virgatus, *Wied. Nova Acta Acad. Nat. Cur.* xv. 1; *Mon. Mid.* pl. 54, f. 19; *Auss. Zweifl.* ii. 63, D, 35. *Westw. Arc.* i. 53, 30.

Brazil.

23. MYDAS ATRATUS.

Mas et Fœm. Niger; abdominis segmentum ultimum supra macula rufescente; alæ fuscae venis obscurius marginatis. Fœm.—Abdomen depressum.

Mydas atratus, *Macq. Dipt. Exot.* i. 2, 11, 2. *Westw. Arc.* i. 51, 15.

———?

Var. ? Ater; caput antice albido pilosum; abdominis segmentum ultimum fulvo marginatum; alæ purpureo-fuscae, strigis apud areolas posticas pallidioribus, costa nigro-purpurea.

Deep black. Head with whitish hairs in front. Eyes bordered beneath with white tomentum. Last abdominal segment with a dull tawny hind border. Wings purplish brown, blackish purple in front; areolets along the hind border, and two or three of those in the disk, with nearly limpid streaks. Length of the body 8 lines; of the wings 14 lines.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.

24. MYDAS ANNULICORNIS.

cem. Niger; barba nigra; antennæ fulvo-rubrae, basi nigrae, annulo nigro ad apicem articuli 3i; thorax vix cinereo vittatus; abdomen segmento 2o nigro viridescente, tribus ultimis nigro-cærulescentibus; alæ fusco-nigricantes, basi venis obscurioribus, margine postico pallidius infumato.

las annulicornis, Westw. Arc. i. 51, 6, pl. 13, f. 2.

zil.

25. MYDAS MYSTACEUS.

ter; epistoma utrinque albo pilosum; antennæ rubidae, basi nigrae; alæ nigrae, margine postico apiceque fusciscentes.

las mystaceus, Wied. Nova Acta Acad. Nat. Cur. xv. pl. 1, f. 3; Auss. Zweifl. ii. 626, 26. Westw. Arc. i. 51, 5.

inam.

26. MYDAS APICALIS.

Niger; antennæ apice rubidae; abdomen chalybeum, medio nigrum; alæ nigro-fuscae, margine postico flavæ.

las apicalis, Wied. Auss. Zweifl. ii. 629, 34; Mon. Mid. pl. 53, f. 14. Westw. Arc. i. 53, 29.

las mystaceus, Var. ?

zil.

—— ?

.? Midas Bonariensis, Serv.; Guér. Icon. Règne Anim. pl. 97. Westw. Arc. Ent. i. 51, 7.

Viger; thorax et abdomen cyanea; alæ margine postico apiceque fuscis.

nos Ayres.

27. MYDAS NITIDULUS.

Niger; thorax albido vittatus; abdomen subcupreum, maculis utrinque viridi aureis; alæ subflavescentes, venis fuscis.

Mydas nitidulus, Oliv. *Enc. Méth.* viii. 83. *Wied. Nova Acta Acad. Nat. Cur.* xv. 1, pl. 1, f. 4; *Auss. Zweifl.* ii. 626, 28. *Westw. Arc.* i. 51, 8.

Surinam.

28. MYDAS GRACILIS.

Niger; barba et frontis latera albida aut flava; thorax lineis quatuor albis, intermediis duabus antice paullo dilatatis, vitta nigra dorsali velutina, duabus lateralibus lævibus fuscis; metathorax maculis duabus albis; abdomen violaceo metallicum, segmento 1o nigro albo piloso, reliquis fulvo tenuiter marginatis; pedes nigri, femoribus tibiisque posticis obscure testaceis; alæ fuscescentes.

Mydas gracilis, Macq. *Hist. Nat. Dipt.* i. 274, pl. 7, f. 1. *Westw. Arc.* i. 52, 18.

South America.

29. MYDAS NOTOSPILUS.

Niger; thorax albo sex maculatus; abdomen flavo fasciatum; pedes flavi; alæ flavescentes, venis fusco marginatis.

Midas notospilus, Wied.

Monte Video, Brazil.

Africa.

30. MYDAS CINCTUS.

Obscure niger; facies et frons albido pilosæ; thorax vittis quatuor cinereo villosis, lateralibus subtus fulvis, parapteris fulvis, lateribus testaceis, sterno nigricante; scutellum minutum, testaceum; abdomen cylindricum, segmentis fulvo marginatis, lateribus fulvis, singuli disco fascia nigra angusta abbreviata; pedes fulvi, femoribus posticis subclavatis, apice fuscis, subtus serie duplici spinarum brevium armatis; tibiis etiam breviter spinosis.

Mydas cinctus, *Macq. Hist. Nat. Dipt.* ii. 655, pl. 24, f. 19. *Westw. Arc.* i. 54, 34.

Oran, Algeria.

31. MYDAS DISPAR.

Flavo-cinereus (Mas), aut *flavus* (Fœm.); *thorax striis longitudinalibus e maculis tribus nigris compositis lineisque duabus intermediis signatus; abdomen nigro annulatum, in fœmina, diaphanum; pedes maris fusi, fœminæ flavi.*

Midas dispar, *Loew, Bericht Verhandl. Kon. Preiss. Akad. Weisench. Berl.* 1852, 658, 4.

Mozambique.

Asia.

32. MYDAS RUFICORNIS.

Niger; antennæ ferruginæ; thorax antice melleo fuscus; alæ fusæ.

Midas ruficornis, *Wied. Analecta Entom.* 20, 4; *Mon. Mid.* pl. 53, f. 11.; *Auss. Zweifl.* i. 242, 6. *Westw. Arc.* i. 52, 19.

Tranquebar.

Australia.

33. MYDAS CLAVIGER.

Mydas claviger, *Cat. of Diptera*, Pt. 1, 229.

34. MYDAS INCIPIENS.

Mydas incipiens, *Cat. of Diptera*, Pt. 1, 229.

A. Abdomen fasciis rufis aut fulvis.

A. Alæ subhyalinæ.

α. Abdomen albo maculatum. - - - stenogaster, *Westw.*

β. Abdomen immaculatum. - - - bicolor, *Westw.*

B. Alæ auricolores. - - - auripennis, *Westw.*

PART II.

2 K

- B. Abdomen piceum, fascia lata basali nigra. limpidipennis, *Westw.*
 c. Abdomen non fasciatum.
 A. Thoracis latera alba. - - - - viduatus, *Westw.*
 B. Thorax maculis sex albis. - - - - concinnus, *Macq.*
 C. Thorax maculis fulvis.
 A. Alæ fulvæ. - - - - melleipennis, *Westw.*
 B. Alæ limpidæ. - - - - bispinifer, *Westw.*
 D. Thorax totus niger. - - - - sordidus, *Westw.*

35. MYDAS STENOGASTER.

Niger, albido setosus; facies barba densa albida insita; thorax maculis duabus parvis in margine antico albo squamosis, alterisque duabus versus basim alarum; abdomen valde elongatum, segmento antico albo piloso, 2o nigro, 3o obscure rufo, lateribus nigris albo maculatis, cæteris sanguineis, singulo ad basim utrinque macula parva alba; pedes piceo-sanguinei; alæ subhyalinæ.

Midas stenogaster, Westw.

Swan River.

36. MYDAS BICOLOR.

Niger, albo pilosus; facies barba densa albida; abdomen segmentis 5 posticis sanguineo-rufis; pedes sanguineo-rufi, tarsi paullo obscurioribus; alæ hyalinæ, venis flavido-fuscato marginatis.

Midas bicolor, Westw.

37. MYDAS AURIPENNIS.

Niger, caput, antennæ, prothorax, thoracis anguli antici, abdomen et pedes late fulva; mesosterni latera unispinosa; abdomen basi fasciisque duabus nigris; femora basi nigra; alæ auricolores, macula versus costæ apicem nigra, margine interno pellucido.

Midas auripennis, Westw. Lond. and Edinb. Phil. Mag. 1835; Arc. i. 51, 13, pl. 14, f. 1.

Cubital vein divided, and forming a small closed oval areolet.
 New Holland.

38. MYDAS LIMPIDIPENNIS.

Niger; facies cinereo tomentosa; thorax opacus; abdomen dilatatum, subconvexum, segmento 1o cinereo parum hirsuto, 2o et 3o utrinque ad basim macula minima albido-lutea notatis, quatuor apicalibus piceis; pedes rufo-picei; alæ perlimpidae, venis pallidis.

Mydas limpidipennis, Westw. Trans. Ent. Soc. Lond. v. 90.
Western Australia.

39. MYDAS VIDUATUS.

Niger; facies, thoracis latera, maculaque triangularis ad basim segmentorum 3i et 4i abdominalium sericie argentea obsita; alæ pallidæ, in medio fuscæ, venis fusco marginatis.

Midas viduatus, Westw.
New Holland.

40. MYDAS CONCINNUS.

Mas. Ater, albo maculatus; pedes testacei, femoribus nigris; alæ subflavescentes.

Mydas concinnus, Macq. Dipt. Exot. Suppl. 1, 58, 2, pl. 6, f. 5.
New Holland.

a. Swan River. From Dr. Bacon's collection.

41. MYDAS MELLEIPENNIS.

Niger; antennæ elongatæ, articulo 1o subrufo; thoracis margines et scutellum fulvæ; abdomen elongatum, gracile, nitidum, segmentis basalibus utrinque flavo maculatis; pedes fulvi, femoribus posticis clavatis; alæ fulvæ, venis rufo-fulvis.

Mydas melleipennis, Westw. Trans. Ent. Soc. Lond. v. 87, pl 13, f. 1.
Western Australia.

42. MYDAS BISPINIFER.

Niger; thoracis latera et scutellum rufo-fulva; pedes pallide flavi, femoribus posticis clavatis; alæ costam versus fusco tinctæ, venis nigris. Mas.—Abdomen elongatum, angustum, clavatum, segmentis basalibus utrinque flavo maculatis.

Mydas bispinifer, Westw. Trans. Ent. Soc. Lond. v. 88, pl. 13, f. 2.

Western Australia.

43. MYDAS SORDIDUS.

Niger, opacus; antennæ breviores, apice rufæ; abdominis segmenta basalia utrinque macula parva trigona lutea; pedes piceo-rufi, femoribus posticis obscuris; alæ limpide, venis nigris.

Mydas sordidus, Westw. Trans. Ent. Soc. Lond. v. 89, pl. 13, f. 3.
Adelaide, Australia.

Country unknown.

44. MYDAS POLITUS.

Niger; thorax glaber; abdomen cupreum; pedes ferruginei; alæ nigræ.

Mydas politus, Wied. Auss. Zweifl. i. 240, 2. Westw. Arc. i. 51, 12.

Genus 2. DOLICHOGASTER.

Facies vix prominens, breviter hirta, mystace nulla. Antennæ vix capitis longitudine; articulus 1us brevis; 2us brevissimus; 3us conicus, 1o duplo longior; 4us et 5us precedentium longitudine, clavam formantes cordiformem tomentosam basi sat latam apice obtuse acuminatam, lateribus subcompressis. Abdomen longissimum. Alæ sat latæ, abdominis epicem non attingentes.

Dolichogaster, Macq. Dipt. Exot. Suppl. 2, 18.
Midas, p., Wied.; Westw.

1. DOLICHOGASTER BREVICORNIS.

Niger, glaber; abdominis segmenta 3um et 4um flavido diaphana; ala fusco notata.

Midas brevicornis, Wied. Dipt. Exot. i. 117, 3; Auss. Zweifl. i. 242, 5.

Dolichogaster brevicornis, Macq. Dipt. Exot. Suppl. 2, 19, pl. 2, f. 2.

4. Parâ. From Mr. Bates' collection.

Genus 3. RHOPALIA.

Facies brevis, parum prominens. Mystax brevis, non bene determinata. Proboscis brevis, sat crassa. Antennarum articulus 5us maximus, ovatus, apice brevissime stylatus. Femora et tibiæ postica breviter setosa; tibiæ posticæ calcaribus duobus minutis.

Rhopalia, Macq. Dipt. Exot. i. 2, 12.

Midas, p., Wied.; Westw.

A. Thorax niger, vittis canis.

A. Abdomen nigrum. - - - - lineata, *Oliv.*

B. Abdomen fuscum. - - - - vittata, *Wied.*

B. Thorax niger, lateribus testaceis. - - Olivieri, *Macq.*

C. Thorax rufus. - - - - Spinolæ, *Macq.*

1. RHOPALIA LINEATA.

Nigra; thorax cinereo quadrilineatus; abdomen suturis albis; femora postica leviter spinosa vix incrassata; alæ pellucidæ, venis nigris obscurius nonnihil marginatis.

Mydas lineatus, Oliv. Encycl. Méth. viii. 33. Westw. Arc. i. 54, 38.

Egypt.

2. RHOPALIA VITTATA.

Cana; thorax vittis nigellis; abdomen fuscum albo fasciatum; pedes fusci, femoribus posticis haud spinosis; alæ limpidissimæ.

Midas vittatus, *Wied. Auss. Zweifl.* i. 559, 37; *Mon. Mid.* pl. 54, f. 23. *Westw. Arc.* i. 54, 37.

Rhopalia vittata, *Macq. Explor. Scient. de l'Alger.* iii. *Ins.* 431, pl. 1, f. 11.

Nubia, Algeria.

3. RHOPALIA OLIVIERI.

Nigra; caput antice et subtus albo pilosum; antennæ sericie subcinerea indulæ; thoracis latera testacea; pedes rufi; alæ sulfuscae.

Rhopalia Olivieri, *Macq. Dipt. Exot.* i. 2, 12, 1, pl. 1, f. 2.

Midas Olivieri, *Westw. Arc.* i. 54, 39.

Egypt.

4. RHOPALIA SPINOLÆ.

Fæm. Rufa; abdominis segmentum 2um interrupte nigro fasciatum; pedes fulvi; alæ subrufescentes, apice et postice hyalinæ.

Rhopalia Spinolæ, *Macq. Dipt. Exot.* i. 2, 192.

Egypt.

Genus 4. CEPHALOCERA.

Proboscis porrecta, elongata, tenuis.

Cephalocera, *Latr. Règn. Anim.* (1829); *Macq.*; *Westw.*

Midas, p., *Wied.*

Africa.

- A. Alæ fasciatæ aut vittatæ.
 A. Alæ vittatæ. - - - - - longirostris, *Latr.*
 B. Alæ fasciatæ. - - - - - fascipennis, *Macq.*
 B. Alæ non fasciatæ nec vittatæ.
 A. Antennæ apice ferruginæ. - - - - fasciata, *Wied.*
 B. Antennæ apice nigræ.
 A. Alæ fuscæ.
 a. Pedes fusi. - - - - - nigra, *Macq.*
 b. Pedes fuscato-flavi. - - - - callosa, *Wied.*
 B. Alæ flavescentes.
 a. Thorax rufo hirtus. - - - - rufithorax, *Wied.*
 b. Thorax flavido hirtus. - - - - Westermanni, *Wied.*

1. CEPHALOCERA LONGIROSTRIS.

Nigra; antennarum clava medio rufo-flava; thorax flavido-vittatus; abdomen maris fasciis albis, fœm. flavis; pedes flavi, femoribus posticis apice obscuris; alæ costa vittaque sub-mediana nigris.

Midas longirostris, *Wied. Nova Acta Acad. Nat. Cur.* xv. 1; *Auss. Zweifl.* ii. 630, 36; *Mon. Mid.* pl. 54, f. 21.

Cephalocera longirostris, *Latr. Règn. Anim.* (1829). *Macq. Dipt. Exot.* i. 2, 13, 1. *Westw. Arc.* i. 55, 4.

a. Cape. From Mr. Saunders' collection.

2. CEPHALOCERA FASCIPENNIS.

Mas. Nigra; abdomen albo maculatum; pedes rufi; alæ fascia fuscana.

Cephalocera fascipennis, *Macq. Dipt. Exot.* i. 2, 13, 2. *Westw. Arc.* i. 55, 5.

Cape.

3. CEPHALOCERA FASCIATA.

Nigra; antennæ apice ferruginæ; thorax ferrugineo hirtus; pedes ferruginei; alæ flavidæ.

Mydas fasciatus, Wied. Auss. Zweifl i. 243, 9.

Cephalocera fasciata, Westw. Arc. i. 55, 3.

Cape.

Var.? *Antennæ totæ, caput supra, thoracis latera et segmentorum abdominalium margines postici ferrugineæ.*

Black. Head above, antennæ, sides of the thorax, hind borders of the abdominal segments and legs ferruginous. Wings clouded with pale brown along the borders of the veins.

a. Port Natal. From Mr. R. W. Plant's collection.

4. CEPHALOCERA NIGRA.

Fœm. *Nigra*; barba alba; antennarum articulus 3us medio ferrugineus; pedes et alæ fusca; venæ cubitalis ramus 2us vena radiali conjunctus.

Cephalocera nigra, Macq. Dipt. Exot. i. 2, 14, 3, pl. 1, f. 3. Westw. Arc. i. 55, 6.

Cape.

Var.? *Antennæ omnino nigrae; segmentorum abdominalium margines postici ferruginei; pedes ferruginei, tibiis posticis femoribusque nigris; alæ nigro-fusca, areolarum posticarum discis pallidioribus.*

Antennæ wholly black. Hind borders of the abdominal segments ferruginous. Legs ferruginous; femora and hind tibiæ black. Wings blackish brown; disks of the posterior areolets much paler.

a. Port Natal. From Mr. R. W. Plant's collection.

b. ———?

5. CEPHALOCERA CALLOSA.

Nigra; pedes fuscato-flavi; alæ fusæ. Mas.—Abdomen fuscato-flavum. Fœm.—Abdomen nigrum.

Midas callosa, *Wied. Mon. Mid.* pl. 54, f. 22.

Cephalocera callosa, *Westw. Arc.* i. 55, 7.

Cape.

6. CEPHALOCERA RUFITHORAX.

Nigra; thorax rufo hirtus; abdominis incisuræ flavidæ; pedes rufescentes, femoribus posticis intus apices versus nigris; alæ flavescentes.

Midas rufithorax, *Wied. Dipt. Exot.* i. 117, 4; *Auss. Zweifl.* i. 242, 7; *Mon. Mid.* pl. 54, f. 15.

Cephalocera rufithorax, *Westw. Arc.* i. 55, 1.

Cape.

7. CEPHALOCERA WESTERMANNI.

Niger; thorax flavido villosus; abdomen nigro hirtum, basi flavido hirtum; pedes castaneo-fusci; alæ apud discos flavescens.

Midas Westermanni, *Wied. Zool. Mag.* iii. 19, 27; *Dipt. Exot.* i. 118, 5; *Auss. Zweifl.* i. 243, 8; *Mon. Mid.* pl. 54, f. 16.

Cephalocera Westermanni, *Westw. Arc.* i. 55, 2.

Cape.

Australia.

8. CEPHALOCERA MACULIPENNIS.

Ferruginea; caput nigrum; antennæ fulvæ, articulo 4o valde clavato, apice in tuberculo contracto; thorax vitta lata nigra; abdomen nigrum, segmentis 2o, 3o 4oque rufis, singulo macula dorsali nigra; pedes testaceo-rufi; alæ hyalinæ, costu fulva, macula magna media, vitta ad basim ductu, apiceque marginis antici nigris.

Cephalocera maculipennis, *Westw. Arc.* i. 55, 8, pl. 14, f. 5.

Western Australia.

9. CEPHALOCERA GRACILIS.

Fœm. *Gracilis, nigra, nitida; thoracis latera testacea; abdomen fasciis fulvis; femora, tibiæ tarsique basi flava; alæ fuscae.*

Cephalocera gracilis, Macq. Dipt. Exot. Suppl. 2, 32, pl. 1, f. 5.

New Holland.

Genus 5. APIOCERA.

Caput transversum. Proboscis exserta, labiis duobus magnis terminata. Palpi lati, spatulati. Antennæ 4-articulatæ, capite breviores; articuli 1us et 2us setosi; 1us crassus; 2us minutus; 3us pyriformis, parvus; 4us stylatus, minutus. Thorax oblongus setosus. Scutellum productum. Abdomen longi-obconicum. Pedes longiusculi, sat graciles, setosi; tibiæ posticæ bicalcaratæ. Alæ breviusculæ.

Apiocera, Westw. Lond. and Edinb. Phil. Mag. 1835; Arc. i. 56.

Pomacera, Macq. Dipt. Exot. Suppl. 2.

Wings short, rather narrow: costal vein ending at near the tip of the wing; mediastinal ending at about two-thirds of the length; subcostal ending near the tip of the costal; radial and cubital springing from a short common petiole, the former joining the subcostal near its tip; cubital forked before two-thirds of its length; its forks slightly curved, the fore fork joining the subcostal, the hind fork united to the costal; first externo-medial curved parallel to the cubital, joining the tip of the costal; second externo-medial complete; third and fourth externo-medial united at some distance from the border, which they join by means of a common petiole; subanal and anal united near the border.

1. APIOCERA ASILICA.

Obscure nigra, facie corporeque subtus pilis cinereo-albis vix obsitis; thorax vitta angusta media aliisque tribus utrinque in medio disci abbreviatis cinereo-albis; abdominis segmentis 2um, 3um et 4um lateribus et maculis duabus triangularibus ad marginem posticum magnitudine decrescentibus, 5umque maculis duabus basalibus cinereo-albis; alæ hyalina, vix nigris.

Apiocera asilica, Westw.

Pomacera Bigotii, Macq. Dipt. Exot. Suppl. 2, 19, 1, pl. 2, f. 1.

a. Adelaide. From Mr. Stevens' collection.

Sub-fam. 2. DASYPOGONITES.

Ocelli tres. Antennæ sæpissime 3-articulatæ. Alarum vena radialis costali ad apicem connexa.

Dasyponitæ, *Macq.*

A. Antennæ 5-articulatæ.

A. Antennarum articulus 5us 4o longior. - 1. Ceraturgus.

B. Antennarum articuli 4us et 5us æquales. - 2. Dioctria.

B. Antennæ 3-articulatæ.

A. Abdomen non petiolatum.

a. Caput non depressum.

i. Abdomen mediocriter longum.

* Femora postica vix clavata.

† Thorax non gibbosus.

‡ Antennarum articulus 3us linearis. 3. Dasypon.

‡‡ Antennarum articulus 3us clavatus.

4. Brachyrhopala.

†† Thorax gibbus, antice productus. - 5. Pseudorus.

** Femora postica clavata, valde hirsuta. 6. Euscelidia.

ii. Abdomen longissimum. - - - 7. Dolichodes.

b. Caput valde depressum. - - - 8. Discocephala.

B. Abdomen petiolatum. - - - - 9. Cabasa.

a. Oculi remoti. - - - - 10. Senobasis.

b. Oculi fere contigui. - - - - 11. Plesiomma.

Genus 1. CERATURGUS.

Antennæ capite longiores, articulis duobus obtusis brevibus terminatæ; articulus apicalis præcedente longior.

Ceraturgus, *Wied. Auss. Zweifl.* i. 414; *Macq.*

Dasypon, p., *Fabr.*; *Wied. Dipt. Exot.*

Mediastinal vein ending beyond half the length of the wing. Subcostal ending beyond five-sixths of the length. Radial and cubital springing from a common petiole which proceeds from the subcostal at two-fifths of the length of the wing, and is less than one-eighth of their length. Cubital forked before two-thirds of its length, joined by a veinlet with the externo-medial before one-fourth of its length. First and third externo-medial springing from a common petiole at rather before half the length of the wing,

united again by a veinlet whose angle unites the second externo-medial. Fourth externo-medial and subanal springing from a common petiole at rather before half the length of the wing. Fourth externo-medial forming near its base an angle, where it is united by a veinlet with the third externo-medial. Subanal joining the anal at its tip. Discal areolet long, narrow, nearly pentagonal, very slightly widening outward.

North America.

1. CERATURGUS FASCIATUS.

Ceraturgus fasciatus, *Cat. of Diptera*, Pt 2, 367.

2. CERATURGUS AURULENTUS.

Auratus; *thorax vittis tribus nigris*; *abdominis segmenta basi nigra*; *pedes flavi*; *alæ limpidae*.

Dasypogon aurulentus, *Fabr. Syst. Antl.* 166, 11. *Wied. Anal. Entom.* 12; *Dipt. Exot.* i. 228, 26.

Ceraturgus aurulentus, *Wied. Auss. Zweifl.* i. 414, 1, pl. 5, f. 5.
New York.

Mexico.

3. CERATURGUS NIGER.

Niger; *abdominis segmenta albo maculata*; *pedes fulvi, tarsorum articulis apice, tibiisque nigris*; *alæ flavescentes*.

Ceraturgus niger, *Macq. Dipt. Exot.* i. 2, 25, pl. 2, f. 1.

4. CERATURGUS RUFIPENNIS.

Fœm. Aureo-tomentosa; *abdomen nigrum, fasciis aureis interruptis, apice testaceum*; *pedes testacei*; *alæ fulvæ, apice subfuscæ*.

Ceraturgus rufipennis, *Macq. Dipt. Exot. Suppl.* 2, 32, 2.

Country unknown.

5. CERATURGUS? ANDOCIDES.

Ceraturgus? Andocides, *Cat. of Diptera*, Pt. 2, 367.

6. CERATURGUS? CORNUTUS.

Fœm. Badio-fuscus; antennarum articulus 3us longissimus, apice biarticulatus; thorax fulvus, vittis fuscis; abdomen flavido fasciatum; pedes anteriores rufescentes; alæ fuscæ, areolarum discis sublimpidis.

Dasypogon cornutus, Wied. Auss. Zweifl. i. 382, 25.

Genus 2. DIOCTRIA.

Corpus elongatum, cylindricum. Antennæ 5-articulatæ, capite multo longiores; articuli 4us et 5us æquales.

Dioctria, Fabr. Syst. Anth. 149; Latr.; Fall.; Meig.; Wied.; Macq.; Curt.; Zell.; Zett.; Loew.

Asilus, p., Linn.; Fabr. Ent. Syst.; Schr.; Gmel.

Mediastinal vein ending at much beyond half the length of the wing. Subcostal ending at about three-fourths of the length. Radial and cubital springing from a common petiole, which proceeds from the subcostal at about one-third of the length of the wing, and is less than one-fourth of their length. Cubital forked before two-thirds of its length, joined by a veinlet with the first externo-medial before one-third of its length. First and third externo-medial springing from a common petiole at much before half the length of the wing, united again by a veinlet, which near its fore end emits the second externo-medial. Fourth externo-medial and subanal springing from a common petiole at much before half the length of the wing; fourth externo-medial forming near its base an angle, where it is united by a veinlet with the third externo-medial; subanal ending near the tip of the anal. Discal areolet long, narrow, widening from the base to the tip.

Europe.

A. Abdomen cupreo-aureum. - - - chalcogastra, *Duf.*

B. Corpus subcærulescens. - - - Harcyniæ, *Loew.*

C. Corpus atrum.

A. Pedes toti nigri. (*D. atricapilla, fœm., Var. Pedes ex parte rufescentes.*)

PART II.

- A. Thorax lævis.
d. Alæ maris dimidiatim nigricantes, *fæminæ* fuscescentes. *Gagates, Meig.*
dd. Alæ atræ. - - - - - *melas, Duf.*
- B. Thorax obscurus.
a. Alæ maris atratæ, fæm. fuscescentes. *atricapilla, Meig.*
b. Alæ hyalinæ. - - - - - *speculifrons, Meig.*
- B. Pedes nigri femoribus tibiisque basi stramineis.
Reinhardi, Meig.
- C. Pedes plus minusve rufi.
A. Alæ in utroque sexu æqualiter nigræ. *œlandica, Linn.*
AA. Alæ subfuscescentes aut hyalinæ.
a. Antennarum articulus 3us præcedentibus conjunctis
æqualis.
i. Abdomen totum atrum.
** Metatarsus posticus vix incrassatus.*
† Femora non nigro liturata.
‡ Pedes rufi, nigro varii.
§ Pectoris latera maculis micantibus nullis.
cothurnata, Meig.
§§ Pectoris latera maculis micantibus.
rufipes, Deg.
‡‡ Pedes testacei. - - - *Wiedemanni, Meig.*
†† Femora postica nigro liturata. *flavipes, Meig.*
††† Femora omnia nigro liturata.
Baumhaueri, Meig.
*** Metatarsus posticus crassissimus.* - *gracilis, Meig.*
- ii. Abdomen cingulis pallidis.
** Scutellum plus minusve rufescens.* *aurifrons, Meig.*
*** Scutellum totum nigrum.*
† Tarsi omnes subtus obscure punctati.
linearis, Fabr.
†† Tarsi subtus non punctati.
h. Pectoris latera fasciis pallidis micantibus.
lateralis, Meig.
hh. Pectoris latera fasciis pallidis micantibus
nullis. - - - *calceata, Meig.*
aa. Antennarum articulus 3us præcedentibus conjunctis
multo longior. - - - *longicornis, Meig.*

1. *DIOCTRIA ŒLANDICA*.

Nigra; thorax albido quadrivittatus; pedes rufi; tibiis apice tarsisque nigris; alæ in utroque sexu æqualiter nigricantes.

Asilus Œlandicus, Linn.

a—f. England. From Mr. Stevens' collection.

2. *DIOCTRIA REINHARDI*.

Nigra, nitida; thoracis dorsum lineis duabus angustis cinerascens; postice abbreviatis; femora tibiæque basi straminea.

Dioctria Reinhardi, Wied. Meig. Zweifl. ii. 247, 13, pl. 19, f. 19, 24. Macq. Dipt. Nord. Asil. 17, 8; Hist. Nat. Dipt. i. 291, 9. Zeller, Isis, 1840, 40, 5. Loew, Linn. Ent. ii. 412, 2. Zett. Dipt. Scand. viii. 2972.

a, b. England. From Mr. Stephens' collection.

c. Interlaken, Switzerland. Presented by F. Walker, Esq.

3. *DIOCTRIA ATRICAPILLA*.

Nigra, parum nitens; pedes sapisime concolores; alæ dimidiatim sed indeterminate in mare atrata, in fœmina fuscescentes.

Dioctria atricapilla, Meig.

a—f. England. From Mr. Stephens' collection.

Var. *Nigra; facies orichalcea; thorax cinereus, nigro lineatus; abdomen incisuris albidis; pedes fulvi, postici nigri genubus fulvis; alæ hyalinæ; halteres flavi.*

Dioctria geniculata, Meig.

4. *DIOCTRIA HARCYNÆ*.

Nigra, alis mystaceque in utroque sexu concoloribus; thorax et abdomen subcærulescentia nitida.

Dioctria Harcynæ, Loew, Ent. Zeit. Stett. 1844, 381. Linn. Ent. ii. 416, 4.

Germany.

5. DIOCTRIA GAGATES.

Nigra, nitida; pedes concolores; facies albido micans; thorax lævis; genua fulva; alæ in mare dimidiatim nigricantes, in fœmina pallide fuscescentes.

Dioctria Gagates, Hoffm.; Meig.

Portugal.

6. DIOCTRIA SPECULIFRONS.

Nigra; nitida, facies submetallica, thoracis dorsum fusco tomentosum; vittis duabus flavescentibus; alæ limpida; halteres flavi.

Dioctria speculifrons, Hoffm.; Meig. Zweifl. ii. 255, 28. Loew, Linn. Ent. ii. 419, 6.

Portugal.

7. DIOCTRIA COTHURNATA.

Nigra; facies orichalcea; thorax cinereus, nigro vittatus; pectoris latera maculis micantibus nullis; abdomen incisuris sæpe albidis; pedes fulvi, tibiis posticis tarsisque fuscis; alæ dilute fuscescentes.

Dioctria cothurnata, Meig. Zett. Dipt. Scand. viii. 2973.

Var.? *Nigra; facies orichalcea; pedes fulvi, tibiis posticis tarsisque fuscis; alæ fuliginosæ.*

Dioctria infuscata, Meig. Zweifl. ii. 252, 21.

France?

8. DIOCTRIA AURIFRONS.

Mas et fœm. *Nigra, nitida; facies et pectoris latera orichalcea; thoracis dorsum luridum, opacum, nigro vittatum; callus humeralis rufescens; abdomen cingulis flavo-testaceis; pedes flavo-testacei, tarsis subtus non punctatis.*

Dioctria humeralis, Zeller, Isis, 1840, 36, 3. Loew, Linn. Ent. ii. 422, 8.

Mas. *Alæ nigro-fusæ, apice hyalinæ.*

Dioctria aurifrons, Gürtl.; *Meig. Zweifl.* ii. 252, 23.

Fœm. *Alæ fere limpide, margine antico flavicantes.*

Dioctria flavipennis, *Meig. Zweifl.* ii. 252, 22.

Austria.

9. *DIOCTRIA RUFIPES.*

Nigra; tuberculus frontalis permagnus; thorax cano bivittatus, lateribus flavo-albo notatis; antennarum articulus 1us 2o duplo longior; pedes rufi, tarsorum articulis apice pedibusque posticis nigris; alæ subhyalinæ.

Asilus rufipes, *Deg.*

a—f. England. . From Mr. Stephens' collection.

g, h. Interlaken, Switzerland. Presented by F. Walker, Esq.

10. *DIOCTRIA WIEDEMANNI.*

Nigra; facies fulva; thoracis discus cinereus, nigro lineatus; alæ fuscæ; pedes testacei.

Dioctria Wiedemanni, *Meig. Zweifl.* ii. 241, 2.

South France.

11. *DIOCTRIA FLAVIPES.*

Nigra; facies nivea; thorax cinereo trivittatus; abdomen segmentis apice fulvis, maris 3o et 4o basi fulvis; pedes flavi, femoribus posticis sæpissime litura sublineari nigra superius signatis, tibiis posticis nonnunquam nigris, tarsis fulvis aut nigris; alæ limpide.

Dioctria flavipes, *Meig. Zett. Dipt. Scand.* viii. 2974.

Var. *Abdomen fasciis duabus ferrugineis.*

Dioctria cingulata, *Zett. Dipt. Scand.* viii. 2975.

a—d. England. From Mr. Stephens' collection.

e. Interlaken, Switzerland. Presented by F. Walker, Esq.

12. DIOCTRIA BAUMHAUERI.

Nigra; facies nivea; thorax cinereus, nigro vittatus; pedes anteriores fulvo nigroque varii, postici fulvi; alæ hyalinæ; halteres fulvi.

Dioctria Baumhaueri, Meig.

a—f. England. From Mr. Stephens' collection.

13. DIOCTRIA LINEARIS.

Mas et fœm. *Nigra, gracilis; abdomen cingulis pallide testaceis; pedes pallide testacei, postici fusco variegati; tarsi omnes subtus obscure punctati.*

Dasypogon linearis, Fabr. *Syst. Anth.* 389, 60. Meig. *Zweifl.* vi. 330. Loew, *Linn. Ent.* ii. 432, 12.

Germany.

14. DIOCTRIA BICINCTA.

Nigra; facies orichalcea; abdomen annulis duobus flavis; pedes fulvi, tibiis posticis tarsisque fuscis; alæ fuliginosæ.

Dioctria bicincta, Meig. *Zweifl.* ii. 251, 20, pl. 19, f. 20.

France?

15. DIOCTRIA ANNULATA.

Nigra; facies orichalcea; abdomen fasciis duabus flavis; pedes fulvi, femoribus posticis nigro lineatis, tibiis posticis tarsisque fuscis; alæ hyalinæ.

Dioctria annulata, Meig. *Zweifl.* ii. 251, 19, pl. 19, f. 19.

16. *DIOCTRIA GRACILIS*.

Nigra, nitens; facies orichalcea; thoracis dorsum nitidum; pectoris latera fascia anteriore integra; pedes fulvi, tibiis posticis tarsisque nigro-fuscis, metatarso postico crassissimo; alæ hyalinæ, vix subfuscescentes; halteres flavi.

Dioctria gracilis, Meig. *Zweifl.* ii. 248, 15. *Macq. Dipt. Nord. Asil.* 18, 9; *Hist. Nat. Dipt.* i. 291, 10. *Loew, Linn. Ent.* ii. 333, 13.

South France. North Africa.

17. *DIOCTRIA LATERALIS*.

Nigra; facies orichalcea; antennarum articulus 3us præcedentibus conjunctis æqualis; thoracis dorsum nitidum; pectoris latera fascia micante anteriore superius late interrupta; abdomen basi vix coarctatum, plerumque luteo cingulatum, interdum unicolor; pedes fulvi, femoribus posticis nigro cinctis, tibiis tarsisque posticis fuscis; alæ hyalinæ; halteres flavi.

Dioctria lateralis, Meig. *Klass. Zweifl.* i. 258, 8 (ex parte); *Zweifl.* ii. 11, 249, 16. *Macq. Dipt. Nord. Asil.* 18, 10; *Hist. Nat. Dipt.* i. 291, 11. *Loew, Progr.* 1840, 14, 7; *Isis*, 1840, 536, 7; *Linn. Ent.* ii. 435, 14.

Asilus hæmorrhoidalis, Meig. *Klass. Zweifl.* i. 270.

Dioctria hæmorrhoidalis, Meig. *Zweifl.* ii. 250, 18. *Macq. Dipt. Nord. Asil.* 19, 13; *Hist. Nat. Dipt.* i. 292, 13. *Zeller, Isis*, 1840, 41, 6.

a, b. England. From Mr. Stephens' collection.

18. *DIOCTRIA LONGICORNIS*.

Nigra; facies aurea; antennæ capite duplo longiores; articulus 3us præcedentibus conjunctis multo longior; pedes fulvi, postici nigri; alæ hyalinæ; halteres flavi.

Dioctria lateralis, Meig. *Klass. Zweifl.* i. 258, 8 (ex parte). *Macq. Dipt. Nord. Asil.* 19, 11; *Hist. Nat. Dipt.* i. 291, 12. *Loew, Linn. Ent.* ii. 437, 16.

Dioctria lateralis (frontalis in tab.), *Panz. Faun. Ins. Germ.* xcvi. 21.

Dioctria longicornis, *Meig. Zweifl.* ii. 249, 17, pl. 19, f. 18.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

19. DIOCTRIA CALCEATA.

Nigra; facies nivea; thorax cinereus vittis nigris; abdominis segmenta 2um, 3um et 4um fulva; pedes fulvi; tarsi fuscis; alæ fuscæ.

Dioctria calceata, *Megerle; Meig. Zweifl.* ii. 253, 24. *Loew, Linn. Ent.* ii. 438, 16.

Austria. Italy.

20. DIOCTRIA MELAS.

Atra; abdomen depressum, concolor; arista subulata; pedes anteriores cinereo hirsuti; tibiæ posticæ clavatæ; tarsorum posteriorum articulus lüs incrassatus, oblongus; reliquis suburceolati; alæ atræ; halteres flavi.

Dioctria melas, *Duf. Ann. Soc. Ent. Fr. 2me Sér.* viii. 148, 11, pl. 6, f. 10.

Madrid.

21. DIOCTRIA CHALCOGASTRA.

Atra; abdomen depressum, cupreo-aureum, nitidum, subtus aureo villosus; tibiæ posticæ incrassato clavatæ; tarsorum posteriorum articulus lüs incrassatus ovatus, reliqui globosi; alæ atræ; halteres flavi.

Dioctria chalcogastra, *Duf. Ann. Soc. Ent. Fr. 2me Sér.* viii. 146, 10, pl. 6, f. 9.

Valentia; Madrid.

South Russia.

22. *DIOCTRIA PICTA*.

Mac. Nigra ; *facies nivea* ; *abdomen incisuris citrinis maculisque in singulo segmento binis transversis albis*.

Dioctria picta, *Wied. Dipt. Exot.* i. 180, 1 ; *Auss. Zweifl.* i. 364, 1.

North America.

23. *DIOCTRIA ALBIUS*.

Dioctria Albius, *Cat. of Diptera*, Pt. 2, 301.
New York.

24. *DIOCTRIA OCTOPUNCTATA*.

Nigra ; *thorax flavido vittatus* ; *abdomen utrinque maculis quatuor albis* ; *pedes mellei*.

Dioctria octopunctata, *Say, Journ. Acad. Philad.* iii. 49, 1. *Wied. Auss. Zweifl.* i. 365, 3.

North America.

South America.

25. *DIOCTRIA TENUIS*.

Dioctria tenuis, *Diptera Saundersiana*, Pt. 2, 86.
a, b. South America. From Mr. Saunders' collection.

26. *DIOCTRIA VICINA*.

Nigra, nitida ; *facies albida* ; *pedes rufi, femoribus anticis fascia nigricante* ; *alæ nigrae*.

Dioctria vicina, *Macq. Dipt. Exot.* i. 2, 26, 2.
Dioctria celandica, Var. ?
Brazil.

Africa.

- A. *Corpus cyaneum*. - - - - - *cyanea*, *Fabr.*
 B. *Corpus nigrum*.
 A. *Corpus maculatum*. - - - - - *costalis*, *Wied.*
 B. *Corpus non maculatum*. - - - - - *flavipennis*, *Macq.*

27. *DIOCTRIA CYANEA*.

Fusca; *abdomen et alæ cyanea*.

Dioctria cyanea, *Fabr.*

South Africa.

28. *DIOCTRIA COSTALIS*.

Mas. Nigra; *thorax rufo maculatus*; *abdomen flavo maculatum*;
alæ ad costam dimidiato fusæ.

Dioctria costalis, *Wied. Zool. Mag.* iii. 6, 8; *Dipt. Exot.* i. 180, 3;
Auss. Zweifl. i. 365, 2.

Cape.

29. *DIOCTRIA FLAVIPENNIS*.

Mas. Atra; *facies, thoracis lineæ tres, pedesque fulvæ; alæ pallide fulvæ*.

Dioctria flavipennis, *Macq. Dipt. Exot.* i. 2, 25, 1, pl. 2, f. 2.

Cape.

Australia.

30. *DIOCTRIA TASMANICA*.

Dioctria Tasmanica, *Saunders, Diptera Saundersiana*, Pt. 2, 85.

a. Van Dieman's Land. From Mr. Saunders' collection.

31. DIOCTRIA ? CONOPSOIDES.

; *caput flavum*; *thorax flavo maculatus*; *abdomen fasciis*
is; *pedes rufi*.

conopsoides, *Fabr. Mant. Ins.* ii. 361, 37; *Ent. Syst.* iv.
69.

conopsoides, *Fabr. Syst. Antl.* 151, 9.

land.

Country unknown.

32. DIOCTRIA HORSLEYI.

Horsleyi, *Saunders, Diptera Saundersiana*, Pt 2, 86.

Genus 3. DASYPOGON.

it non depressum. Antennæ triarticulatæ. Thorax non
Abdomen mediocriter longum, non petiolatum. Femora
x clavata.

n, p., *Fabr. Syst. Antl.*; *Latr.*; *Panz.*; *Fall.*; *Meig.*;
.; *Zell.*; *Zett.*; *Loew.*

, *Linn.*; *Fabr. Ent. Syst.*; *Schr.*; *Gmel.*; *Panz.*

p., *Fabr.*

n et Microstylum, Xiphocera et Acnephalum, *Macq.*

n, Megapollyon, Prolepsis, Euarmostus et Morimna,
t.

ialastinal vein ending at a little before two-thirds of the length
g. Subcostal ending at beyond seven-eighths of the length.
id cubital springing from a common petiole, which prom-
n the subcostal at about one-fourth of the length of the
l is less than one-sixth of their length. Cubital forked a
re two-thirds of its length, joined by a veinlet with the
no-medial a little before one-third of its length. First
externo-medial springing from a common petiole at much
f the length of the wing, united again by a veinlet whose
ts the second externo-medial. Third externo-medial ex-
o the hind border in some species; in others inclined

hindward, and joining the fourth externo-medial near the tip of the latter. Fourth externo-medial and subanal springing from a common petiole at about half the length of the wing; fourth externo-medial forming near its base an angle, where it is united by a veinlet with the third externo-medial; subanal ending close to the tip of the anal. Discal areolet narrow, very long, nearly triangular, widening from the base to the tip. The wing-veins of the species of this genus are subject to great variation. The forks of the cubital vein diverge more or less from each other, and the fore branch is more or less straight or curved or angular, and in some cases emits the stump of a vein from its angle. The first externo-medial is generally parallel to the hind branch of the cubital, but in some species is united with it. The second externo-medial very generally springs from a veinlet between the first and the third externo-medial, but in one species appears as the fork of the first externo-medial. The third externo-medial generally proceeds straight to the border, but is often inclined to the fourth, and in some species joins the latter on the border, or at some distance from it. The subanal usually joins the anal on the border; in a few species it is separate from it, or is united to it at a distance from the border. In one species there is a veinlet between the first and second externo-medial veins, and thereby an additional areolet is formed in front of the discal areolet.

Europe and Asia Minor.

Div. I. Tibiæ anticæ apice calcaratæ.

Group 1. SAROPOGON.

Species præ cæteris nudæ. Facies æqualiter lata. Mystax flabelli formis, faciem non transiens. Antennæ approximatæ; arista semper brevissima, structuræ variæ. Thorax non valde elevatus, setis dorsalibus abbreviatis. Abdomen longum, *maris* magis cylindricum, *femina* magis planum. Pedes sat graciles; tibiæ posticæ non incrassatæ.

Saropogon, *Loew, Linn. Ent. ii. 439.*

A. *Mystax niger*.

A. Antennarum articulus 3us præcedentibus conjunctim duplo longior. - - - eucerus, *Loew*.

B. Antennarum articulus 3us præcedentibus conjunctim non duplo longior. - - - jugulum, *Loew*.

B. *Mystax flavescens*.

A. Femora nigra. - - - platynotus, *Loew*.

B. Femora rufa. - - - luctuosus, *Hoffm*.

1. DASYPOGON EUCERUS.

Mas. Mystax niger; antennarum articulus 3us præcedentibus conjunctim duplo longior.

Dasytigon eucerus, Loew, Linn. Ent. ii. 440, 1.

Mormeriza and Makri, Asia Minor.

2. DASYPOGON JUGULUM.

Mas.—Mystax niger; pedes nigro flavoque varii. Fœm.—Abdomen rufo fasciatum.

Dasytigon jugulum, Loew, Linn. Ent. ii. 441, 2.

Isle of Rhodes and the neighbouring coast of Asia Minor.

3. DASYPOGON PLATYNOTUS.

Mas.—Mystax pallide flavescens; femora nigra. Fœm.—Abdomen nigrum; femora basi nigra.

Dasytigon platynotus, Loew, Linn. Ent. ii. 443, 3.

Makri and Patara, Asia Minor.

4. DASYPOGON LUCTUOSUS.

Niger; pedes rufi. Mas.—Mystax flavescens; alæ nigricantes. Fœm.—Abdomen nigrum; alæ pallidiores.

Dasytigon luctuosus, Hoffm. Meig. Zweifl. ii. 259, 3. Loew, Linn. Ent. ii. 446, 4.

Italy. Portugal.

PART II.

2 M

Group 2. DASYPOGON.

Præcedenti similis, at mystax ad faciei medium ascendens, et inde usque ad antennas pilis sparsis abbreviatis instructus.

Dasyponon, Loew, *Linn. Ent.* ii. 448.

A. Thorax aureo varius.

A. Facies flavâ. Alæ flavescentes. - - - teutonius, *Linn.*

B. Facies albâ. Alæ hyalinæ. - - - leucocephalus, *Meig.*

B. Thorax non auratus.

A. Humeri prominuli.

a. Tarsi ferruginei. *Mas.*—Abdomen supra nigrum.

Diadema, *Fabr.*

b. Tarsi nigri. *Mas.*—Abdomen supra rufum. variabilis, *Brullé.*

B. Humeri non prominuli. - - - cylindricus, *Fabr.*

C. Corpus ferrugineum. Abdomen basi maculisque lateralibus nigris. - - - - - analis, *Fabr.*

5. DASYPOGON TEUTONIUS.

Mas et *Fœm.* *Niger*; facies, thoracis margo lateralis et pleurarum maculæ magnæ aureo micantes.

Asilus teutonius, *Linn.*

Central and Southern Europe.

6. DASYPOGON LEUCOCEPHALUS.

Niger; facies, thoracis latera et abdominis puncta lateralia albâ pedes fulvi, femoribus posticis apice tarsisque nigris; alæ hyalinæ, ad costam fuscæ.

Dasyponon leucocephalus, *Meig. Zweifl.* ii. 259, 2, pl. 10, f. 10.
Macq. Hist. Nat. Dipt. i. 293, 3.

South France.

7. DASYPOGON DIADEMA.

Mas.—*Ater; pedes et alæ concolores; humeri prominuli. Fœm.—Nigra, pilis occipitis prothoracisque pallidis, nigris interdum parce admixtis; abdomen cingulis 3—6 superius rufo-ferrugineis; pedes interdum picei.*

Dasygogon Diadema, Fabr.

Dasygogon punctatus, var. umbrosa, Brullé, Expéd. Scient. de Morée, iii. 1, 292, 631, pl. 46, f. 2.

Central and Southern Europe. Asia Minor. Australia.

8. DASYPOGON VARIABILIS.

Mas et Fœm. *Nigro-violascente micans; abdomen nitidum, rufo plus minusve fasciatum, segmentis 20—50 macula utrinque laterali albida; pedes nigri. Mas.—Mystax et facies inferior nigra; alæ obscure violaceæ. Fœm.—Mystax et facies inferior albido-flava; alæ flavescentes.*

Dasygogon variabilis, Brullé, Expéd. Scient. de Morée, iii. 1, 292, 632, pl. 46, f. 4.

Calamata.

9. DASYPOGON CYLINDRICUS.

Mas.—*Ater; pedes et alæ concolores humeri non prominuli. Fœm.—Niger pilis occipitis prothoracisque nigris, vix unquam pallidis aliquot admixtis; abdomen cingulis 3—5 superius semper rufo-ferrugineis; pedes rufi, interdum nigricantes.*

Asilus cylindricus, Fabr. Ent. Syst. iv. 381, 24. Meig. Klass. i. 267.

Dasygogon cylindricus, Fabr. Syst. Antl. 165, 6. Meig. Zweifl. ii. 262, 7. Macq. Dipt. Nord. Asil. 24, 4. Loew, Linn. Ent. ii. 451, 7.

Dasygogon fasciatus, Meig. Zweifl. ii. 261, 5. Macq. Dipt. Nord. Asil. 24, 3.

Central and Southern Europe.

10. DASYPOGON ANALIS.

Ferrugineus; thorax nigro vittatus; abdomen basi nigrum, segmentorum marginibus utrinque albis; alæ flavescentes.

Asilus analis, *Fabr. Ent. Syst.* iv, 377, 4. *Meig. Klass. Zweifl.* i. 265, a.

Dasyopogon analis, *Fabr. Syst. Antl.* 164, 1. *Meig. Zweifl.* ii. 263, 8. *Macq. Hist. Nat. Dipt.* i. 294, 4.

Italy.

Div. II. Tibiæ anticæ apice non calcaratæ.

Sub-div. I. Corpus elongatum.

Group 3. STENOPOGON.

Species gracillimæ, præ cæteris tantum pilosæ. Caput non-nihil altius quam latum. Facies minima, supra contracta, tuberculis magnis subcarinatis, postice extensis. Mystax setis validis, supra brevioribus, fere ad antennis ascendens. Frons æqualiter lata, at minima. Antennæ valde approximatae, sat graciles; arista mediocriter longa, aut subelongata. Oculi valde elevati, non remoti. Proboscis præ cæteris robusta et porrecta. Thorax mediocriter gibbosus, pilis antice abbreviatis postice setis longis. Abdomen gracile, cylindricum, sat nudum. Pedes longi, sat graciles; femora plus minusve incrassata, subtus (antice præsertim) plus minusve setosa; tibiæ posticæ simplices, apice non incrassatæ. *Mas.*—Sexualia præ cæteris parva.

Stenopogon, *Loew, Linn. Ent.* ii. 453.

A. Corpus nigrum.

A. Pedes rufi. - - - - - coracinus, *Loew.*

B. Pedes nigri. - - - - - milvus, *Loew.*

B. Corpus cinereum.

A. Vena cubitalis et externo-media la valde convergentes.

elongatus, *Meig.*

B. Vena cubitalis et externo-media la parum convergentes.

callosus, *Wied.*

C. Corpus flavo-cinereum.

A. Antennæ nigræ. - - - - - ochreateus, *Loew.*

B. Antennæ maxima ex parte rufæ. - - - sabaudus, *Fabr.*

11. DASYPOGON CORACINUS.

Fœm. *Ater* ; *pedes rufi* ; *alæ nigricantes*.

Dasygogon coracinus, *Loew*, *Linn. Ent.* ii. 454, 8.

Italy.

12. DASYPOGON MILVUS.

Mas et Fœm. *Nigricans*, *cinereo pilosus* ; *tibiæ basi tarsique badia* ; *alæ obscure fusce*.

Dasygogon milvus, *Loew*, *Linn. Ent.* ii. 454, 9.

Rhodes. Isle of Leros.

13. DASYPOGON ELONGATUS.

Mas et Fœm. *Cinereus* ; *alarum vena cubitalis et vena externo-media læ apice valde convergentes*.

Dasygogon elongatus, *Meig.*

South Europe and Asia Minor.

14. DASYPOGON CALLOSUS.

Mas. *Cinereus* ; *alarum vena cubitalis et vena externo-media læ apice parum convergentes*.

Asilus callosus, *Wied. Zool. Mag.* i. 2, 30. *Meig. Zweifl.* ii. 333, 42.

Dasygogon callosus, *Loew*, *Linn. Ent.* ii. 458, 11.

North and Southern Russia.

15. DASYPOGON OCHREATUS.

Mas et Fœm. *Flavo-cinereus* ; *antennæ nigrae* ; *abdomen nigrum*, *maculis dorsalibus maximis rufo-ferrugineis*.

Dasygogon ochreatus, *Loew*, *Linn. Ent.* ii. 459, 12.

Greece. Asia Minor.

16. DASYPOGON SABAUDUS.

Mas et Fœm. *Cinereo-flavus; antennæ maxima ex parte abdomen superius aurantiacum; mas, alarum angulus rior albidus.*

Asilus sabaudus, Fabr.

South Europe.

Group 4. HABROPOGON.

Species minores, longæ, gracillimæ. Facies et frons 1 critter at omnino æqualiter latæ. Facies subtus nonnihil tu tuberculis propriis nullis. Mystax densus, albus, usque ad faci diam ascendens. Antennæ approximatae, sat breves; arista 1 critter longa. Thorax sat convexus. Abdomen *fæminæ* præ elongatum et attenuatum. Pedes validiusculi; femora, 1 tibiæ posticæ apice subincrassata; femora subtus pilosa, non s metatarsus anticus aut intermedius articulo 2o, 3o, aut 4 longior; metatarsus posticus articulis 2o 3oque conjunctis vi vior; articulus 2us brevis, subincrassatus.

Habropogon, Loew, Linn. Ent. ii. 463.

17. DASYPOGON EXQUISITUS.

Mas et Fœm. *Thoracis dorsum fusco albidoque varium; utis incrassata.*

Dasygogon exquisitus, Loew, Linn. Ent. ii. 464, 14. Meig. 2 ii. 267, 14, fœm.

Dasygogon rutilus, Meig. Zweifl. vii. 70, 46, mas.

Italy. Sicily. Spain.

18. DASYPOGON LONGIVENTRIS.

Mas et Fœm. *Thorax fusco cinereoque varius; femora incrassata.*

Dasygogon longiventris, Loew, Linn. Ent. ii. 467, 15.

Asia Minor. Isles of Greece.

Group 5. XIPHOCERUS.

Species sat graciles. Corpus pubescens. Caput mediocriter crassum. Facies mediocriter et æqualiter lata, versus os nonnihil elevata, tuberculis nullis. Frons sat lata. Ocellorum tuberculi non bene determinati. Mystax densus, brevis, faciei partem inferiorem tantum occupans. Proboscis brevis, crassa, apice thoracem versus arcuata. Palpi articulo ultimo subincrassato. Antennæ longæ aut longissimæ; articulus 2us præ 1o brevissimus; 3us 1o 2oque conjunctis plus duplo longior, arista brevissima aut indistincta. Thorax mediocriter arcuatus. Abdomen cylindricum, postice non valde attenuatum. Pedes graciles, nudiusculi, setulæ longiores breves, raræ, apud tibiae posticas tantum conspicuæ; metatarsus valde elongatus.

Xiphocerus, *Loew, Linn. Ent. ii. 470.*

Xiphocera, *Macq. Hist. Nat. Dipt.*

19. DASYPOGON GLAUCIUS.

Mas et Fœm. *Abdominis segmenta omnia glauco fasciata, postice flavo marginata.* Mas.—*Nigricans; pedes concolores.* Fœm.—*Nigricans; thoracis margo lateralis pedesque rufo-testacei.*

Asilus glaucius, Rossi.

Italy. Sicily. Albania. Siberia.

Group 6. HOLOPOGON.

Species parvæ, tenues. Corpus nigrum, tenuiter at comparate longe pilosum; abdominis dorsum omnino breviter pilosum. Caput præ cæteris mediocriter latum. Frons supra postice paullo latior. Vertex parum incrassata. Facies mediocriter et æqualiter lata, subconvexa, tuberculis nullis. Mystax usque ad antennas ascendens. Antennæ approximatae, graciles; articuli 1us et 2us fere æquales; arista sat longa aut longissima. Thorax brevis, valde convexus, pulvereus. Pedes anteriores graciles, metatarso longiusculo; postice femoribus non incrassatis, tibiis valde clavatis, tarsis (metatarso præsertim) incrassatis. Femora tenuiter pilosa; tibiæ tarsique setis longioribus. Mas.—Abdomen magis cylindricum, sæpe nonnihil compressum. Sexualia parva. Fœm.—Abdomen nonnihil depressum.

Holopogon, *Loew, Linn. Ent. ii. 474.*

A. Alæ nigræ aut nigricantes.

A. Alæ maris basi albæ.

a. Abdomen maris omnino atrum. - nigripennis, *Meg.*b. Abdomen postice tomento flavido-cinereo. - venustus, *Rossi.*

B. Alæ non basi albæ.

a. Abdomen maculis flavo micantibus. - sculus, *Macq.*

b. Abdomen maculis nullis flavo micantibus.

a. Thorax maculis duabus subcinereis. - dimidiatus, *Meig.*

b. Thorax maculis quatuor subcinereis.

i. Thorax vitta media. - - - timidus, *Loew.*ii. Thorax non vittatus. - - - fumipennis, *Meig.*B. Alæ hyalinæ, venis fusco limbatis. - Macquarti, *Perris.*C. Alæ purissime hyalinæ. - - - clavipes, *Loew.*

20. DASYPOGON DIMIDIATUS.

Mas et Fœm. *Niger, nitens, maculis duabus minutis in thoracis dorso interscapularibus cinerascentibus, interdum minus distinctis; alæ nigræ, apice hyalinæ.*

Dasygogon dimidiatus, *Meig. Zweifl.* ii. 280, 34, mas. *Loew, Linn. Ent.* ii. 474, 17.

Dasygogon fuscipennis, *Meig. Zweifl.* ii. 280, 35, fœm.

Italy. Sardinia. Austria.

21. DASYPOGON TIMIDUS.

Mas. *Thorax linea longitudinali media, maculis duabus humeralibus alterisque lateralibus fusco-cinereis; alæ nigricantes, apice dilutiores.*

Dasygogon timidus, *Loew, Linn. Ent.* ii. 475, 18.

Italy.

22. DASYPOGON NIGRIPENNIS.

Mas et Fœm. *Alæ nigricantes. Mas.—Alæ basi albæ; abdomen omnino atrum. Fœm.—Thoracis dorsum maculis cinerascentibus interscapularibus postscapularibusque connexis.*

Dasypogon nigripennis, *Meg. Meig. Zweifl.* ii. 278, 29. *Germ. Faun. Ins.* ix. 23. *Loew, Isis*, 1840, 536, 2; *Linn. Ent.* ii. 476, 19.

Central Europe.

23. DASYPOGON VENUSTUS.

Mas et Fœm. Alæ nigræ. Mas.—Abdomen postice tomento flavido-cinereo tectum; alæ basi albæ. Fœm.—Thoracis dorsum maculis fusco-cinereis interscapularibus distinctissimis, postscapularibus nullis.

Asilus venustus, *Rossi, Faun. Etrusc.* ii. 328, 1568, pl. 7, f. 7.

Asilus minutus, *Fabr. Ent. Syst.* iv. 390, 63. *Meig. Klass. Zweifl.* i. 249, 6.

Dioctria minuta, *Fabr. Syst. Antl.* 152, 14.

Dasypogon Iris, *Meig. Klass. Zweifl.* i. 253, 5.

Dasypogon minutus, *Meig. Zweifl.* ii. 277, 28. *Macq. Dipt. Nord. Asil.* 26, 7; *Hist. Nat. Dipt.* i. 299, 23. *Loew, Linn. Ent.* ii. 479, 20.

France and Italy.

24. DASYPOGON SICULUS.

Mas.—Abdominis cingula 3um et 4um tomento flavo-cinereo vestita; alæ dilute cinereo-nigricantes. Fœm.—Thoracis dorsum antice lineolis quatuor cinerascentibus signatum; abdominis segmenta 3um et 4um maculis binis tomentosis flavo micantibus.

Dasypogon siculus, *Macq. Hist. Nat. Dipt.* i. 300, 27. *Meig. Zweifl.* vii. 72, 49. *Loew, Linn. Ent.* ii. 481, 21.

Sicily.

25. DASYPOGON FUMIPENNIS.

Mas et Fœm. Thoracis dorsum maculis cinerascentibus interscapularibus postscapularibusque connexis. Mas.—Alæ dilutissime cinereo-nigricantes. Fœm.—Alæ dilute nigricantes.

Dasypogon fumipennis, *Meg. Meig. Zweifl.* ii. 278, 30, fœm. *Macq. Hist. Nat. Dipt.* i. 299, 24. *Zell. Isis*, 1840, 45. *Loew, Linn. Ent.* ii. 482, 22.

Dasypogon albipilus, *Meig. Zweifl.* ii. 281, 36, mas.

Central and Southern Europe.

26. DASYPOGON CLAVIPES.

Mas et Fœm. *Alæ purissime hyalinæ.*

Dasygogon clavipes, *Loew, Isis*, 1840, 537, 4; *Linn. Ent.* ii. 486, 23.

Dasygogon princeps?? *Meig. Zweifl.* ii. 279, 32.

Dasygogon laniger *Zell. Isis*, 1840, 45.

Germany.

27. DASYPOGON MACQUARTI.

Nigricans; caput cinereo-fuscum; mystax pilis nigris albis et rufescentibus; barba alba; thorax vittis tribus obscurioribus, lateribus cinereis; abdomen albo pilosum, segmentis cinereo-fasciatis; pedes albo pilosi, nigro spinosi; alæ hyalinæ, venis fusco limbatis; halteres albido-flavi.

Dasygogon Macquarti, *Perris, Ann. Soc. Linn. Lyon*, 1850—52 199.

Grandes-Landes, France.

Note.—This species may belong to some other group of Dasygogon.

Group 7. ERIOPOGON.

Aspectu Holopogoni nonnihil affinis; capitis structura omnino similis. Antennæ manifestæ graciliores; articulus 2us præ 1o brevissimus; 3us cum arista gracillimus. Species minores, pube tenui at densa et apud abdominis dorso longa vestitæ. Pedes structum gracili; tibiæ posticæ non clavatæ; tarsi postici vix incrassati. *Mas.*—Sexuali minima.

Eriopogon, *Loew, Linn. Ent.* ii. 487.

28. DASYPOGON LANIGER.

Mas. Abdomen undiquè longissime albo lanatum; alæ purissime hyalinæ.

Dasygogon laniger, *Meig. Zweifl.* ii. 282, 39. *Loew, Linn. Ent.* ii. 487, 24.

Portugal.

Group 8. HETEROPOGON.

Species nigræ, mediocriter hirtæ, mediæ magnitudinis. Caput latissimum, brevissimum, non elevatum. Facies æqualiter et maxime lata, tuberculis nullis. Frons postice vix latescens sed apud verticem valde excavata, ocellarum tuberculis abrupte extantibus. Mystax peristomate fere usque ad antennis ascendens, setis longioribus et validioribus inferioribus, hirsutie tenui et non densissima superiori. Antennæ valde approximatæ; articuli 1us et 2us mediocres, æquales; 3us gracilis, arista longa acuta. Thorax brevis, fere gibbosus. Abdomen supra depressum fere nudum, fasciis ferrugineis plus minusve latis. Pedes mediocriter graciles et setosi; femora non incrassata; tibiæ posticæ apice crassæ; tarsi postici anticis paullo breviores; metatarsus elongatus. *Mas.*—Tibiæ intermediæ et tarsi antici hirsutie propria ornata.

Heteropogon, *Loew, Linn. Ent.* ii. 488.

- | | | |
|------------------------------------------|---|--------------------------|
| A. Alæ infuscatæ, margine antico flavo. | - | manicatus, <i>Meig.</i> |
| B. Alæ æqualiter nigræ. | - | scoparius, <i>Loew.</i> |
| C. Alæ subhyalinæ, venis nigro limbatis. | - | succinctus, <i>Loew.</i> |

29. DASYPOGON MANICATUS.

Mas et Fœm. Alæ infuscatæ, margine anteriore flavo. Mas.—Metatarsi antici niveo pilosi.

Dasygogon manicatus, Meig. Zweifl. ii. 268, 16. *Macq. Hist. Nat. Dipt.* i. 296, 13. *Loew, Linn. Ent.* ii. 488, 25.

France. Piedmont.

30. DASYPOGON SCOPARIUS.

Mas et Fœm. Alæ æqualiter nigræ. Mas.—Tarsi antici articulis 2o, 3o et 4o extus niveo pilosi.

Dasygogon scoparius, Loew, Linn. Ent. ii. 489, 26.

Mermeriza, Asia Minor.

31. DASYPOGON SUCCINCTUS.

Fœm. *Thoracis dorsum antice brevissime pilosum; alæ subhyalinae, venis distinctissime nigro limbatis.*

Dasygogon succinctus, Loew, Linn. Ent. ii. 91, 27.

Brusa, Asia Minor.

Group 9. ISOPOGON.

Caput inferum, brevissimum, latissimum. Facies æqualiter et maxime lata, tuberculis nullis. Frons postice vix latior, apud verticem valde excavata, ocellarum tuberculis abrupte extantibus. *Mystax* pilis structura omnino æqualibus, fere ad antennis ascendentibus, supra vix densis. Antennæ approximatae; articuli 1us et 2us æquales, breves; 3us gracilis, arista longa. Thorax brevis, altissimus. Abdomen hirsutiae brevissima. Pedes mediocriter graciles; femora postica anticis nonnihil crassiora; metatarsus plus minusve incrassatus. Mas.—Sexualia parva. Fœm.—Abdominis segmentum 5um acuminatum; 6um, 7um et 8um minima, oviductum porrectum ingentes.

Leptarthrus, Steph.

Isopogon, Loew, Linn. Ent. ii. 492.

32. DASYPOGON BREVIROSTRIS.

Mas et Fœm. *Mystax niger*. Mas.—*Metatarsus posticus articulis sequentibus conjunctis multo longior.*

Dasygogon brevirostris, Meig.

North and Central Europe.

33. DASYPOGON VITRIPENNIS.

Mas. *Metatarsus posticus articulis sequentibus conjunctis vix æqualis*. Fœm.—*Mystax tenuis, flavido-cinereus.*

Asilus hottentottus? Fabr. Ent. Syst. iv. 388, 7. Meig. *Klasi. Zweifl.* i. 270.

- Dioctria hottentotta*? *Fabr. Syst. Antl.* 151, 7.
Dioctria hyalipennis, *Meig. Klass. Zweifl.* i. 255, 2.
Dasyopogon vitripennis, *Meig. Zweifl.* ii. 274, 25. *Zett. Dipt.*
Scand. i. 180, 5. *Loew, Linn. Ent.* ii. 495, 29.

North and Central Europe.

Group 10. OLIGOPOGON.

Corporis statura *Hyhoti* et *Dioctriæ* similis. Caput præsertim humile et latum, fere ut in *Discocephala* at paullo longius. Facies æqualiter et mediocriter lata, subconvexa, tuberculis nullis. Frons postice vix latescens, apud verticem valde excavata; ocellarum tuberculi valde extantes. *Mystax* ad faciem mediam ascendens, setis paucis et mediocriter validis. Antennæ valde approximatae; articuli 1us et 2us brevissimi, fere æquales; 3us gracilis, arista mediocriter longa, pilis validis vestita. Proboscis porrecta, mediocriter longa. Thorax valde convexus, breviter et rare pilosus. Abdomen depresso-cylindricum, gracile, fere nudum. Pedes sat graciles; postici femoribus subincrassatis, tibiis subclavatis; metatarsus nonnihil elongatus. *Mas*.—Sexualia parva.

Oligopogon, *Loew, Linn. Ent.* ii. 497.

34. DASYPOGON HYBOTINUS.

Mas et *Fœm.* *Niger, nitidus; alæ limpida; tibiæ ferrugineæ, apice nigro-fusca.*

Dasyopogon hybotinus, *Loew, Linn. Ent.* ii. 498, 30.

Isle of Rhodes.

Group 11. STICHOPOGON.

Species elongatae, depressæ, nudiusculæ, plerumque mediocres. *Facies* brevissima, mediocriter lata, supra nonnihil contracta, tuberculis nullis. Frons supra inusitate dilatata, antice subrotundata, ocellarum tuberculis vix elevatis. *Peristoma* magnum, rotundatum. *Mystax* deflexus, apud *peristoma* angustatus, apud faciem nonnunquam pilis raris longioribus. Oculi valde extantes, speculis

plurimis anticis majoribus. Palpi graciles, nudi. Antennæ approximatæ; articuli 1us et 2us æquales, breves; 3us mediocris; arista biarticulata, articulo 1o sat longo, cylindrico, 2o breviori setiformi. Thorax valde depressus. Abdomen depressum, gracile. Pedes sat graciles, nudi; tibiæ tarsique setis longis; femora anteriora posticis validiora, plerumque sat distincte incrassata; metatarsus non incrassatus, articulo 2o in tarsis anterioribus paullo longior, in posticis æqualis. *Mas.*—Sexualia mediocriter magna; pars superior scutelliformis, inferiorem tegens. *Fæm.*—Sexualia lamellis duabus acuminatis structura dissimilibus.

Stichopogon, *Loew, Linn. Ent.* ii. 499.

- | | | | | | | |
|---------------------------------|---|---|---|---|---|--------------------------|
| A. Antennæ testaceæ. | - | - | - | - | - | scaliger, <i>Loew.</i> |
| B. Antennæ nigræ. | | | | | | |
| A. Abdomen fasciis æqualibus. | - | - | - | - | - | tener, <i>Loew.</i> |
| B. Abdomen fasciis inæqualibus. | | | | | | |
| A. Mystax albus. | - | - | - | - | - | inæqualis, <i>Loew.</i> |
| B. Mystax niger. | - | - | - | - | - | nigrifrons, <i>Loew.</i> |

35. DASYPOGON SCALIGER.

Mas et Fæm. Antennæ testaceæ; abdomen fasciis æqualibus albo-cinereis.

Dasytrogon elegantulus, Mas. P Meig. Zweifl. ii. 270, 18.

Dasytrogon scaliger, Loew, Linn. Ent. ii. 501, 36.

Italy. South Russia.

36. DASYPOGON TENER.

Mas et Fæm. Antennæ nigræ; abdomen fasciis æqualibus albidis.

Dasytrogon elegantulus, Mas. P Meig. Zweifl. ii. 270, 18.

Dasytrogon tener, Loew, Linn. Ent. ii. 503, 32.

Patara and Xanthus in Asia Minor.

37. DASYPOGON INÆQUALIS.

Mas et Fœm. *Mystax albus*; antennæ nigrae; abdomen fasciis inæqualibus albis.

Dasyopogon elegantulus, Fœm., Meig. *Zweifl.* ii. 270, 18.

Dasyopogon inæqualis, Loew, Linn. *Ent.* ii. 505, 33.

Portugal. Patara and Xanthus in Asia Minor.

38. DASYPOGON NIGRIFRONS.

Fœm. *Mystax niger*; abdomen fasciis inæqualibus cinerascens.

Dasyopogon nigrifrons, Loew, Linn. *Ent.* ii. 506, 34.

Mermeriza, Asia Minor.

Group 12. LASIOPOGON.

Species nigrae, sat elongatae, mediocriter magnae et pilosae, abdominis incisuris albidis. Caput mediocriter latum, non brevissimum. Facies lata, supra distincte angusta, tuberculis inferioribus magnis. Frons lata, supra dilatata, sulcis tribus parallelis profundis; ocellarum tuberculi parum elevati. Mystax longus, hirsutissimus, faciei tuberculos omnino tegens. Palpi nudi. Antennae sat approximatæ; articuli 1us et 2us breves; 2us 1o brevior; 3us mediocris; arista mediocriter longa, plerumque pilosa, articulo 2o setiformi. Thorax subconvexus, mediocriter pilosus. Abdomen depressocylindricum, nudiusculum. Pedes sat graciles, postici anticis vix longiores, femora postica anticis paullo graciliora; metatarsus articulo 2o duplo longior; tibiæ tarsique setis validis mediocriter longis. **Mas.**—Abdominis segmenta apicem versus brevia; sexualia magna, forcipibus magnis. **Fœm.**—Abdominis segmenta apicem versus abbreviata; lamellæ inferiores approximatæ, apice rotundatæ.

Lasiopogon, Loew, Linn. *Ent.* ii. 508.

A. Antennæ omnino nigræ.

A. Arista nuda. - - - - - cinctus, *Fabr.*B. Arista piligera. - - - - - pilosellus, *Loew.*B. Antennarum articulus 3us basi flavicans. - tarsalis, *Loew.*

39. DASYPOGON CINCTUS.

Mas et Fœm. *Antennæ nigræ, arista nuda ; pedes nigri.**Asilus cinctus, Fabr. Sp. Ins. ii. 465, 29 ; Ent. Syst. iv. 387, 61.**Gmel. Ed. Syst. Nat. i. 5, 2899, 36.**Dasygogon cinctus, Meig. Klass. Zweifl. i. 252, 4. Zell. Isis, 1840, 45. Zett. Dipt. Scand. i. 177, 1. Loew, Linn. Ent. ii. 509, 35.**Dasygogon hirtellus, Fall. Dipt. Asil. ii. 1. Macq. Dipt. Nord. Fr. Asil. 25, 5 ; Hist. Nat. Dipt. i. 298, 19. Zett. Ins. Lapp. 506.**Dasygogon cinctellus, Meig. Zweifl. ii. 272, 22. Macq. Hist. Nat. Dipt. i. 297, 8. Loew, Isis, 1840, 536, 1.*

North, Central and Southern Europe.

40. DASYPOGON PILOSELLUS.

Mas et Fœm. *Antennæ nigræ, arista piligera ; pedes nigri.**Dasygogon hirtellus ? Meig. Zweifl. ii. 273, 23.**Dasygogon pilosellus, Loew, Linn. Ent. ii. 511, 36.*

Ephesus, Asia Minor.

41. DASYPOGON TARSALIS.

Mas et Fœm. *Antennæ nigræ, articulo 3o basi flavicante ; pedes nigri, tarsis fusciscentibus.**Dasygogon tarsalis, Loew, Linn. Ent. ii. 513, 37.*

Ephesus, Asia Minor.

Group 13. CYRTOPOGON.

Species dense hirtæ, statura mediocri aut paullo majores. Caput latum, sat humile. Facies lata, supra vix contracta, tuberculis magnis omnino occupata. Frons supra paullo latius, apud verticem manifeste excavata, ocellorum tuberculis sat extantibus dense hirtis. Mystax densus, fere ad antennis ascendens. Antennæ approximatae; articuli 1us et 2us breves; 3us sat gracilis, arista valida longa. Thorax valde convexus, pube densa at tenui, semper lineis distinctis, delineatione plerumque figuram 5 duplicatam fingente. Abdominis segmenta intermedia lineis posticis transversis albidis. Pedes sat graciles; postici anterioribus paullo longiores et crassiores; femora valde hirta; tibiæ setis plurimis robustis aut hirsutis longiore; metatarsus elongatus. *Mas*.—Abdomen cylindricum, postice subattenuatum; sexualia brevia, crassa, sat magna. Tarsi antici plerumque validi et elongati. *Fam*.—Abdomen latius magisque depressum. Sexualia lamellis subtilis distinctis nullis.

Cyrtopogon, Loew, Linn. Ent. ii. 516.

A. Antennarum articulus 3us fulvo tomentosus. ruficornis, Fabr.

B. Antennarum articulus 3us luteus. - - luteicornis, Zett.

C. Antennæ nigræ.

A. Corpus nigrum.

a. Mystax omnino niger. Alæ maris nigricantes.

lateralis, Fall.

b. Mystax femina intus pallidus. Alæ maris macula nigra.

maculipennis, Macq.

c. Mystax maris intus niger, extus albidus. Alæ limpidae.

flavimanus, Meig.

B. Corpus cinereum. - - - - lapponicus, Zett.

42. DASYPOGON RUFICORNIS.

Mas et Fœm. Niger; antennarum articulus 3us abdominisque segmenta media fulvo tomentosa; tibiæ tarsique ferruginea; alæ limpidae, costa apiceque fusco-cinereis.

Asilus ruficornis, Fabr. Ent. Syst. iv. 380, 20; Syst. Antl. 155, 9. Meig. Klass. Zweifl. i. 266.

Dasygogon ruficornis, Meig. *Zweifl.* ii. 269, 17. *Macq. Hist. Nat. Dipt.* i. 296, 14. *Zell. Isis*, 1840, 44. *Loew, Linn. Ent.* ii. 517, 38.

Central Europe.

43. DASYPOGON MACULIPENNIS.

Mas et Fœm. *Niger, nitidus; tibiæ tarsique ferruginea. Mas.*
—*Abdominis latera albo lineolata; alæ macula magna sub-*
apicali nigra, alteraque ad marginem posteriorem minore.
Fœm.—*Mystax intus pallidus, extus niger; abdominis latera*
albido lineolata.

Dasygogon flavimanus, Fœm., Meig. *Zweifl.* ii. 271, 20.

Dasygogon maculipennis, Macq. *Hist. Nat. Dipt.* i. 296, 15.
Meig. *Zweifl.* vii. 72, 50. *Loew, Linn. Ent.* ii. 519, 39.

Dasygogon litura, Zell. *Ent. Zeit. Stutt.* 1841, 180.

Central and Southern Europe.

44. DASYPOGON FLAVIMANUS.

Mas. *Niger; mystax intus niger, extus albidus; abdominis*
latera albido lineolata; tarsi ferruginei; alæ limpide, costæ
apiceque fusco-cinereis.

Dasygogon flavimanus, Mas., Meig. *Zweifl.* ii. 271, 20. *Macq.*
Hist. Nat. Dipt. i. 297, 16. *Loew, Linn. Ent.* ii. 521, 40.

Southern Europe.

45. DASYPOGON LATERALIS.

Mas et Fœm. *Niger; mystax omnino niger. Mas.—Abdominis*
segmenta 2um et 3um pallide pollinosa; alæ nigricantes.
Fœm.—*Abdominis latera albo lineolata; alæ cinereæ.*

Dasygogon lateralis, Fall. *Dipt. Suec. Asil.* 12, 2. Meig. *Zweifl.*
ii. 276, 27. *Macq. Hist. Nat. Dipt.* i. 298, 21. *Zett. Ins.*
Lapp. 509, 2, Var. a. *Zett. Dipt. Scand.* i. 177, 2. *Loew,*
Linn. Ent. ii. 523, 41.

North and Central Europe.

46. *DASYPOGON LAPPONICUS*.

Mas et *Fœm.* *Obscure cinereus; facies fere tota nigro mystacina; barba nivea; thorax vitta media duplicata maculaque utrinque didyma, obscure fuscis; abdomen nigrum nitidum, segmentorum 2i et 3i incisuris, 4i et 5i lineola laterali transversa, albis, ventre basi albo villosa; pedes nigri nitidi, femoribus subtus albo villosis, tibiis tarsisque nigro spinulosis.*

Dasygogon laponicus, Zett. *Ins. Lapp.* 509, 3; *Dipt. Scand.* i. 178, 3.

Dasygogon lateralis, Var. β . *Fœm.*, Zett. *Ins. Lapp.* Lapland.

47. *DASYPOGON LUTEICORNIS*.

Fœm. *Niger; facies subconvexa cinerascens; mystax albidus, supra et infra parce niger; barba alba; antennarum articulus 3us luteus; thorax obscure cinerascens, lineis 2 mediis maculisque lateralibus nigricantibus; abdomen utrinque lineis 4 transversis albis; alæ infuscatæ, basi hyalinæ; tibiæ tarsisque rufo-ferruginea.*

Dasygogon luteicornis, Zett. *Dipt. Scand.* i. 179, 4.

Group 14. *ANAROLIUS*.

*Corpus nonnihil contractum. Caput latum, vix altum. Facies lata, supra subcontracta, tuberculis magnis omnino occupata. Frons supra latescens, apud verticem excavata, ocellorum tuberculis elevatis hirtis. Mystax fere ad antennis ascendens. Antennæ remotæ; articuli 1us et 2us breves, hirsutissimi; 3us gracilis, arista longa. Thoracis hirsuties cristam fingens. Abdomen pilis longis densisque vestitum, lateribus subcompressis. Pedes sat graciles, valde pilosi et setosi; tarsi graciles; metatarsus distincte elongatus; ungues longi et graciles. *Mas*.—Abdomen sat cylindricum; sexualia parva. *Fem.*—Abdomen magis acuminatum, lamellis subtus nullis.*

Anarolius, Loew, *Ent. Zeit. Stett.* 1844, 165; *Linn. Ent.* ii. 524.

48. DASYPOGON JUBATUS.

Mas et Fœm. *Niger*; *mystax supra niger, subtus niveus*; *alæ hyalinæ, basi costaque fuscescentibus, venis transversis fusco limbatis.*

Anarolius jubatus, *Loew, Ent. Zeit. Stett. v. 165, pl. 2, f. 22—25.*

Dasygogon jubatus, *Loew, Linn. Ent. ii. 525, 42.*

Mermeriza and Ephesus, Asia Minor.

Group 15. ACNEPHALUM.

Corpus latum, dense hirtum. Caput latum, sat humile. Mystax densus, fere ad antennis ascendens. Antennarum articulus 1us et 2us breves; 3us gracillimus, longissimus, arista longa nuda. Thorax sat convexus. Abdomen subdepressum, basi apiceque arcuatum. Sexualia occulta. Pedes hirsutissimi, onychiis nullis. Alarum vena mediastinalis subcostali disjuncta.

Acnephalum, *Macq. Dipt. Exot. i. 2, 51. Loew, Linn. Ent. ii. 525.*

49. DASYPOGON OLIVIERI.

Ater, albido hirsutus; alæ flavescentes; venæ cubitalis furca antica ramulum nullum rejiciens; venæ externo-mediæ 3a et 4a prope marginem posticum conjunctæ.

Acnephalum Olivierii, *Macq. Dipt. Exot. i. 2, 51, 1.*

Dasygogon Olivieri, *Loew, Linn. Ent. ii. 526, 43.*

Isle of Naxos.

Group 16. PYCNOPOGON.

Species latæ, dense hirtæ. Caput latum, brevissimum, sat humile. Facies lata, convexa, supra non angustata, tuberculis nullis. Frons supra paullo latior, apud verticem valde excavata, ocellorum tuberculis valde excavatis, mystax densissimus, faciei longitudinem occupans. Antennæ gracillimæ, arista longa tenui nuda. Thorax brevis, subquadratus, sat convexus. Abdomen latissimum,

depressum, distincte punctatum, hirsutie supra brevi, lateribus fasciculata, subtus longiore et densiore. Pedes sat robusti, hirsutie longiore et densiore, setisque nonnullis; metatarsus paullo elongatus; onychia distincta.

Pycnopogon, *Loew*, *Linn. Ent.* ii. 526.

A. Venæ cubitalis furca antica ramulum rejiciens.

A. Alæ hyalinæ, apice cinereo-fuscescentes. fasciculatus, *Loew*.

B. Alæ pure hyalinæ. - - - apiformis, *Loew*.

B. Venæ cubitalis furca antica ramulum non rejiciens.

A. Abdomen confertissime punctulatum. - mixtus, *Loew*.

B. Abdomen parce punctulatum. - anthophorinus, *Loew*.

50. DASYPOGON FASCICULATUS.

Mas et Fœm. *Niger*; alæ hyalinæ, apice cinereo-fuscescentes; venæ cubitalis furca antica ramulum rejiciens.

Dasygogon fasciculatus, *Loew*, *Linn. Ent.* ii. 527, 44.

Syracuse.

a. *Algeria*. From M. Parzudaki's collection.

51. DASYPOGON APIFORMIS.

Mas et Fœm. *Niger*, flavo pilosus; femora antica nigro pilosa; alæ pure hyalinæ, venæ cubitalis furca antica ramulum rejiciens.

Dasygogon apiformis, *Loew*, *Linn. Ent.* ii. 529, 45.

Asia Minor and the *Isles of Greece*.

52. DASYPOGON MIXTUS.

Mas. *Niger*, albo pilosus; abdomen confertissime punctulatum, lateribus setigeris; venæ cubitalis furca antica ramulum non rejiciens.

Dasygogon mixtus, *Loew*, *Linn. Ent.* ii. 231, 46.

Makri, *Asia Minor*.

53. DASYPOGON ANTHOPHORINUS.

Fœm. *Niger, albido pilosus; abdomen parce punctulatum, lateribus non setigeris; venæ cubitalis furca antica ramulum non rejiciens.*

Dasygogon anthophorinus, Loew, Linn. Ent. ii. 532, 47.

Dasygogon mixtus, Fœm. ?

Isle of Stanchio.

Group 17. CROBILOCERUS.

Species latæ, dense hirtæ. Caput latum, sat humile et breve. Facies lata, supra non angustata, convexa, tuberculis tamen nullis. Frons supra paullo latius, apud verticem valde excavata, ocellorum tuberculis valde elevatis. Mystax densissimus, faciei longitudinem occupans. Antennæ graciles; arista brevis, crassa, apice fasciculata. Thorax brevis, subquadratus, valde convexus. Abdomen latissimum, depressum, distincte punctatum, hirsutie supra brevî, lateribus fasciculata, subtus longiore et densiore. Pedes sat robusti, hirsutie densa setisque nonnullis longioribus; metatarsus vix elongatus, posticus subtus nonnihil arcuatus; onychia distincta.

Crobilocerus, Loew, Linn. Ent. ii. 533.

54. DASYPOGON MEGILLIFORMIS.

Mas et Fœm. *Niger; alæ subfuscescentes.*

Dasygogon megilliformis, Loew, Linn. Ent. ii. 534, 48.

Asia Minor.

Group 18. APOGON.

Caput mystace barbaque nullis. Frons angusta. Antennæ triarticulatæ; articulus 1us cylindricus; 2us cyathiformis; 3us ocnicus, planus, arista longiore pubescente terminatus. Pedes spinulis minimis armati; tibiæ anticæ spina interna apicali, posteriores spinis duabus apicalibus; metatarsi articulis sequentibus quatuor conjunctis longiores; onychia et ungues parva.

Apogon, Perris, Ann. Soc. Linn. Lyon. 1850—52, 198 (1852).

55. DASYPOGON DUFOURII.

Fulvo-rufescens; facies alba, proboscide palpisque fulvis; antennæ testaceæ, arista nigricante; thorax vittis tribus dorsalibus, maculis duabus lateralibus maculaque subscutellari nigris; abdominis segmenta e maculis tribus nigris subfasciata; halteres fusco lividi; pedes testacei, femoribus tibiisque apice tarsisque fusciscentibus, metatarsis posticis albidis.

Apogon Dufourii, Perris, Ann. Soc. Linn. Lyon. 1850—52, 198.
Grandes-Landes, France.

Group — ?

- A. Thorax niger, non vittatus.
 - A. Thoracis latera alba.
 - a. Facies alba. - - - - - senex, Duf.
 - b. Facies flavo-alba. - - - - - rufipes, Gimm.
 - c. Facies aurulenta. - - - - - auribarbis, Meig.
 - B. Thoracis latera cinerea. - - - - - brunnipes, Meig.
 - C. Thoracis latera ferruginea. - - - - - liburnicus, Germ.
- B. Thorax cinereo-niger. - - - - - ripicola, Duf.
- D. Thoracis latera nigra.
 - a. Abdomen albo fasciatum.
 - a. Abdomen fasciis tribus apiceque canis. arcuatus, Fabr.
 - b. Abdominis segmenta albo marginata. albo-fasciatus, Meig.
 - b. Abdomen albo non fasciatum. - - - Fabricii, Meig.
- B. Thorax niger, vittis fuscis. - - - - - brevipennis, Hoffm.
- C. Thorax niger, fulvo vittatus. - - - - - juncus, Hoffm.
- D. Thorax cinereus, nigro vittatus.
 - A. Antennæ nigrae. - - - - - fimbriatus, Meig.
 - B. Antennarum articulus 3us fulvus. - - - fulvicornis, Macq.
- E. Thorax subcinereus, rufo villosus.
 - A. Alæ fumosæ, costa rufo-testacea. - - - nigriventris, Duf.
 - B. Alæ dilute fuscae. - - - - - xanthotrichus, Brullé.
- F. Thorax albus nigro vittatus. - - - - - melaleucus, Meig.
- G. Thorax flavicante hirtus, nigro bivittatus. - - - nubilus, Hoffm.
- H. Thorax rufus, nigro vittatus. - - - - - elatus, Meig.
- I. Thorax ferrugineus. - - - - - tristis, Meig.
- J. Thorax fuscus. - - - - - albibarbis, Macq.

56. DASYPOGON SENEX.

Niger, glaber; facies barbaque albidæ; thorax limbo scutelloque albedo sericeis; abdomen fasciis quatuor, dorsalibus rufo-lutescentibus; pedes rufo-lutescentes; alæ dimidiato fumosæ.

Dasygogon senex, Léon-Duf. *Ann. Sci. Nat.* xxx. 215, 7.

Navarre, Spain.

57. DASYPOGON RUFIPES.

Niger; facies flavo-alba; antennæ et pedes rufa; thorax anterior limbo albo; abdominis segmenta 2um, 3um et 4um lineolis lateralibus albis; alæ flavo-fuscescentes.

Dasygogon rufipes, Gimm. *Bull. Soc. Imp. Nat. Mosc.* 1847, 3, 159, 6.

South Russia ?

58. DASYPOGON AURIBARBIS.

Niger, nitidus; facies aurulenta; mystax aurulentus, pilis nonnullis nigris; thorax maculis duabus anticis cinereis; pectoris et abdominis latera albo hirta; alæ dilute fuscæ; halteres fusci, apice flavi.

Dasygogon auribarbis, Meig. *Zweifl.* ii. 279, 31.

South France. Austria.

59. DASYPOGON BRUNNIPES.

Niger, nitidus; facies et mystax flava; thorax maculis duabus anticis cinereis; pectoris latera cinerea; pedes ferruginei; alæ hyalinæ; halteres flavi.

Dasygogon brunnipes, Meig. *Zweifl.* ii. 279, 33.

Austria.

60. DASYPOGON LIBURNICUS.

Niger ; thoracis margines ferruginei, orichalceo micantes ; abdomen maculis lateralibus albidis ; pedes ferruginei, femoribus supra nigris ; alæ flavescentes, venis apice fusco marginatis.

Dasygogon liburnicus, Germar. Meig. Zweifl. ii. 282, 40.
Italy.

61. DASYPOGON RIPICOLA.

Cinereo-niger, glaber ; barba atra ; antennarum articulus 3us apice stylifer ; abdomen atrum segmentis 4o, 5o, ultimoque supra argenteo micantibus ; alæ hyalinæ.

Dasygogon ripicola, Léon-Duf. Ann. Sci. Nat. xxx. 216, 9.
Logronna, by the Ebro, Spain.

62. DASYPOGON ARCUATUS.

Niger, hirtus, parvus ; abdominis segmenta albo marginata.

Asilus arcuatus, Fabr. Ent. Syst. iv. 387, 50. Meig. Klass. Zweifl. 270, p.

Dasygogon arcuatus, Fabr. Syst. Antl. 172, 39. Meig. Zweifl. ii. 285, 44.

Italy.

63. DASYPOGON ALBO-FASCIATUS.

Niger ; abdomen albo-fasciatum ; alæ fere limpidae, halteres flavi.

Dasygogon albo-fasciatus, Meig. Zweifl. ii. 281, 37.
Austria.

64. DASYPOGON FABRICII.

Niger ; tibiæ posteriores basi rufescentes ; alæ hyalinæ, apice sub-fuscescente cinereæ ; halteres albido-fuscescentes.

Dasygogon Fabricii, Meig. Zweifl. ii. 270, 19.
Italy.

65. DASYPOGON BREVIPENNIS.

Fusco-cinereus; thorax vittis quatuor fusciscentibus; abdomen et pedes badia, illum alis triente longius; alæ strigis flavescente-cinereis.

Dasygogon brevipennis, Hoffm. Meig. Zweifl. ii. 267, 13.
Portugal.

66. DASYPOGON JUNCUS.

Nigricans; thorax fulvo vittatus; abdomen fulvo fasciatum; pedes fulvi, femoribus nigris, anterioribus extus subtusque fulvis; alæ limpidæ, venis subflavescente limbatis.

Dasygogon juncus, Hoffm. Meig. Zweifl. ii. 266, 12. Macq.
Hist. Nat. Dipt. i. 296, 12.
South France.

67. DASYPOGON FIMBRIATUS.

Cinereus; thorax lineis maculisque nigricantibus; abdomen nigrum, incisuris utrinque albo maculatis; alæ subcinereæ; halteres sordide albid.

Dasygogon fimbriatus, Meig. Zweifl. ii. 272, 21. Macq. *Hist. Nat. Dipt.* i. 297, 17.
South France.

68. DASYPOGON FULVICORNIS.

Mas et Fœm. *Niger; frons cinerea; mystax niger; antennarum articulus 3us fulvus, basi niger; thorax fasciis glauco-cinereis.* Mas.—*Alæ fusce basi subhyalinæ.* Fœm.—*Abdomen punctis lateralibus; alæ hyalinæ.*

Dasygogon fulvicornis, Macq. *Hist. Nat. Dipt.* i. 296, 15.
France.

69. DASYPOGON NIGRIVENTRIS.

Rufo villosus ; thorax subcinereus ; abdomen apice et subtus atrum ; tibiæ tarsique posticae extus hirsutissima ; alæ fumosæ, costæ rufo-testaceæ.

Dasygogon nigriventris, Léon-Duf. *Ann. Sci. Nat.* xxx. 216, 8.
Madrid, Spain.

70. DASYPOGON XANTHOTRICHUS.

Fœm. Niger, rufo pilosus ; mystax, antennæ basi, abdomen supra, femora apice, tibiæ tarsique rufa ; alæ dilute fuscae.

Dasygogon xanthotrichus, Brullé, *Expéd. Scient. de Morée*, iii. 1, 294, 633, pl. 46, f. 5.

Carithena.

71. DASYPOGON MELALEUCUS.

Niger, albo lanatus ; thorax albus, nigro trivittatus ; abdomen nigro alboque fasciatum ; alæ hyalinae ; halteres flavi.

Dasygogon melaleucus, Meig. *Zweifl.* ii. 281, 38. *Macq. Hist. Nat. Dipt.* i. 299, 28.

South France.

72. DASYPOGON NUBILUS.

Niger ; thorax flavicante hirtus, nigro bivittatus ; abdomen maculis lateralibus et marginibus subcinereis ; pedes nigro-picei ; alæ fusco nubilæ.

Dasygogon nubilus, Hoffm. *Meig. Zweifl.* ii. 268, 15.
Portugal.

73. DASYPOGON ELATUS.

Niger; thorax rufus, nigro trivittatus; abdominis latera nigro vittata; tibiæ fulvæ, apice nigræ; tarsi basi nigri; alæ hyalinæ, basi subfusco-flavæ; halteres fulvi.

Dasygogon elatus, Meig. Zweifl. ii. 275, 26.

Austria.

74. DASYPOGON TRISTIS.

Niger; caput, thorax abdominisque fasciæ tres ferruginea; pedes fulvi; alæ fuscæ.

Dasygogon tristis, Meig. Zweifl. ii. 264, 9.

Hungary.

75. DASYPOGON ALBIBARBIS.

Mas. Fuscus, hirtus; antennæ et abdomen rufa, hujus latera albido maculata; pedes castaneis, femoribus tibiisque posticis intus nigris; alæ flavescendo-cinereæ.

Dasygogon albibarbis, Macq. Dipt. Exot. i. 2, 193.

Allied to *D. striatus*, *Fabr.*

Roumelia.

Europe?

76. DASYPOGON CASTANEICORNIS.

Fœm. Fuscus; antennæ castaneæ; thorax cinereo-fulvus, fusco vittatus; abdomen castaneum, albido fasciatum; pedes fulvi; alæ flavescendo-cinereæ.

Dasygogon castaneicornis, Macq. Dipt. Exot. i. 2, 40, 18.

Siberia.

77. DASYPOGON VARIEGATUS.

Niger; abdomen incisuris flavis, segmentis utrinque albo maculatis; pedes rubidi; alæ subflavescentes.

Dasygogon variegatus, Wied. Zool. Mag. ii. 32; Dipt. Exot. i. 126, 22; Auss. Zweifl. i. 396, 48.

Siberia.

South Russia.

78. DASYPOGON PYRRHOMUS.

Saturate flavus; thorax fuscato vittatus; abdomen fusco limbatum; alæ flavido-cinereæ, ad costam fulvæ.

Dasygogon pyrrhomus, Wied. Zool. Mag. ii. 33; Dipt. Exot. i. 218, 7; Auss. Zweifl. i. 380, 23.

South Russia.

79. DASYPOGON PALLASII.

Niger, cinereo hirtus; abdomen fasciis latis obsolete albidis; pedes flavi, tarsi nigri; alæ basi flavescentes.

Dasygogon Pallasii, Wied. Auss. Zweifl. i. 403, 60.

South Russia.

Georgia.

80. DASYPOGON KOLENATI.

Nigricans, rufo pilosus; antennarum articuli duo; pedes et alæ rufa.

Dasygogon Kolenati, Gimm. Bull. Soc. Imp. Nat. Mosc. xx. 1847, 3, 159, 5.

Tiflis.

North America.

Div. I. Tibiæ anticæ calcaratæ.

Group 1.

Corpus magnum, elongatum, fere nudum. Facies plana. Mystax setis nonnullis pallidis. Antennarum sat longæ; articuli 1us et 2us subæquales, 3us longissime fusiformis, 1o et 2o conjunctim paullo longior.

D. brunneus. Antennarum articulus 3us subclavatus, articulis 1o et 2o conjunctim non longior.

Forks of the cubital vein slightly curved, their base opposite the end of the discal areolet. First and second externo-medial veins proceeding direct to the border; third united to the fourth at some distance from the border. Subanal near the anal on the border. Discal areolet very long, slightly widening outward.

Type D. Herennius.

A. Thorax bivittatus. - - - - - basalis, Walk.

B. Thorax trivittatus.

A. Femora fulva aut fusca.

A. Alæ fusæ. - - - - - Herennius, Walk.

B. Alæ limpidæ. - - - - - brunneus, Fabr.

B. Femora nigra. - - - - - politus, Say.

81. DASYPOGON BASALIS.

Dasygogon basalis, *Diptera Saundersiana*, Pt. 2, 95.

United States.

82. DASYPOGON HERENNIUS.

Dasygogon Herennius, *Cat. of Diptera*, 2, 339.

83. *DASYPOGON BRUNNEUS*.

Thorax subaurarius, nigro vittatus; abdomen ferrugineum, lateribus fuscis, marginibus flavis; pedes fulvi, femoribus tibiisque posticis nonnunquam fuscis; alæ limpide, apicibus marginibusque posticis subcinereis.

Dasygogon brunneus, *Fabr. Macq. Dipt. Exot.* i. 2, 34, 4.
Philadelphia. Cayenne.

84. *DASYPOGON POLITUS*.

Fœm. Fulvus; antennæ nigrae; thorax fusco vittatus; abdomen scoriaceum; pedes nigri; alæ dimidio apicali fusca.

Dasygogon politus, *Say, Journ. Acad. Philad.* iii. 52, 5. *Wied. Auss. Zweifl.* i. 405, 63.
Pennsylvania. Maryland.

Group 2.

Corpus mediocre. Caput et thorax pilosa. Caput thorace fere latius. Facies plaua. Mystax pilis nonnullis pallidis. Antennarum articulus 1us linearis; 2us subrotundus, 1o multo brevior; 3us arista brevi, 1o et 2o conjunctim multo longior. Abdomen depressum. Tibiæ anticæ calcaribus brevissimis. Alæ maculatæ.

Forks of the discal areolet straight, their base very little nearer than the end of the discal areolet to the tip of the wing. First, second, third and fourth externo-medial veins nearly straight, remote from each other on the border. Subanal joining the anal on the border. Discal areolet long and narrow.

85. *DASYPOGON AMASTRIS*.

Dasygogon Amastris, *Cat. of Diptera*, 2, 362.

Div. II. Tibiæ anticæ non calcaratæ.

Group 3.

Mas. Corpus magnum, elongatum. Caput et thorax hirta. Caput thorace angustius. Facies angusta, vix convexa. Mystax dense setosus, faciei ultra medium ascendens. Antennæ longiusculæ; articulus 1us 2o duplo longior; 3us longi-fusiformis, arista brevis; 1o et 2o conjunctim multo longior. Abdomen pubescens. Pedes validi.

Forks of the cubital vein slightly curved, their base a little nearer than the end of the discal areolet to the tip of the wing. First and second externo-medial veins nearly straight; third joining the fourth at some distance from the border. Subanal joining the anal on the border. Discal areolet very long.

86. DASYPOGON SUBULATUS.

Fœm. *Rufo-fuscus, cinereo micans; abdomen rubidum, apice nigrum; pedes rubidi; alæ fuscæ.*

Dasygogon subulatus, Wied.

United States.

Group 4.

Mas. Corpus magnum, elongatum, hirtum. Caput thorace pallo angustius. Facies angusta, valde convexa. Mystax densissime setosus, faciem omnem occupans. Pedes validi. Alæ breviusculæ.

Fore fork of the cubital vein undulating; hind fork nearly straight, inclined towards the first externo-medial, but at some distance from it on the border. First and second externo-medial nearly straight; third inclined towards the fourth, but remote from it on the border. Subanal near the anal on the border. Discal areolet long and narrow.

87. DASYPOGON CALIFORNIAE.

Dasygogon Californiae, Cat. of Diptera, 2, 322.

Group 5.

Enarmostus, *Walk. Diptera Saundersiana*, Pt. 2, 102.

88. *DASYPOGON BIMACULA*.

Enarmostus bimacula, *Diptera Saundersiana*, Pt. 2, 102, pl. 4, f. 1.
North America.

Group 6.

Mas. *Mystax spinis plurimis nigris armatus*. Antennarum articulus 3us sublinearis, 1o et 2o conjunctim fere triplo longior. Abdomen lateribus basi setosis, dimidio basali lineari, apicali subfusiformi. Pedes spinosi.

89. *DASYPOGON TRISTIS*.

Dasygogon tristis, *Diptera Saundersiana*, Pt. 2, 93.
United States.

Group 7.

Corpus mediocre aut parvum, nigrum, pilosum. Caput thorace vix angustius. Facies valde convexa. *Mystax* densissime hirtus, faciem omnem occupans. Antennæ longæ; articulus 1us 2o longior; 3us sublinearis, arista longiuscula, articulis 1o et 2o conjunctim paullo longior. Pedes validi.

Forks of the cubital vein nearly straight, their base a little nearer than the end of the discal areolet to the tip of the wing. First and second externe-medial veins proceeding straight to the border; third inclined to the fourth, but rather remote from it on the border. Subanal near the anal on the border. Discal areolet hexagonal, rather long.

- A. Abdomen fasciis integris.
 A. Abdomen sexfasciatum. - - - - sexfasciatus, Say.
 B. Abdomen trifasciatum. - - - - trifasciatus, Say.
 B. Abdomen fasciis interruptis.
 A. Alæ limpidæ. - - - - guttula, Wied.
 B. Alæ limpidæ, apice subcinereæ. - - Falto, Walk.
 C. Alæ subcinereæ. - - - - Lutatius, Walk.
 D. Alæ fuscovariæ. - - - - Macerinus, Walk.
 C. Abdomen fasciis nullis. - - - - argenteus, Say.

90. DASYPOGON SEXFASCIATUS.

Mâs. *Niger*; thorax albido hirtus; abdomen nigrum, albo fasciatum; femora tibique basi subtestacea; alæ subfuscescentes.

Dasytomon sexfasciatus, Say.

Missouri.

91. DASYPOGON TRIFASCIATUS.

Nigellus, thoracis, latera albo pruinosa; abdomen nigrum, fasciis apiceque albis; alæ subcinereo-fuscescentes.

Dasytomon trifasciatus, Say, Journ. Acad. Philad. iii. 51, 3.
 Wied. Auss. Zweifl. i. 405, 64.

Pennsylvania. Maryland.

92. DASYPOGON GUTTULA.

Fœm. *Niger*, nitens; thorax macula humerali alba; alæ limpidæ.

Dasytomon guttula, Wied.

United States.

93. DASYPOGON FALTO.

Dasytomon Falto, Cat. of Diptera, 2, 355.

94. DASYPOGON LUTATIUS.

Dasypogon lutatus, *Cat. of Diptera*, 2, 357.

95. DASYPOGON MACERINUS.

Dasypogon macerinus, *Cat. of Diptera*, 2, 356.

96. DASYPOGON ARGENTEUS.

Fœm. Niger, nives pruinosus et hirtus; palpi, alæ et halteres dilutissime silacea.

Dasypogon argenteus, *Say*.

Pennsylvania. Maryland.

Group — ?

A. Alæ nigræ.	-	-	-	-	-	-	<i>Æacus</i> , <i>Wied.</i>
B. Alæ fuscæ.	-	-	-	-	-	-	<i>abdominalis</i> , <i>Say</i> .
C. Alæ flavescentes.							
A. Femora fulva.	-	-	-	-	-	-	<i>cruciatus</i> , <i>Say</i> .
B. Femora nigra.	-	-	-	-	-	-	<i>albiceps</i> , <i>Macq.</i>
D. Alæ subhyalinæ.	-	-	-	-	-	-	<i>rufescens</i> , <i>Macq.</i>

97. DASYPOGON ÆACUS.

Fœm. Niger; abdomen aurantiacum, basi apice lateribusque nigris; alæ nigræ.

Asilus abdominalis, *Say*, *Long's Exped. to St. Peter's River*, *Append.* 375.

Dasypogon Æacus, *Wied. Auss. Zweifl.* 390, 37.

Pennsylvania.

98. DASYPOGON ABDOMINALIS.

Flavus; antennæ nigræ; thorax glaucus, fusco vittatus; alæ fusæ.

Dasygogon abdominalis, Say, *Journ. Acad. Philad.* iii. 50, 2
Wied. Auss. Zweifl. i. 412, 75.

Pennsylvania.

99. DASYPOGON CRUCIATUS.

Nigro-fuscus; thorax margine orichalceo; abdomen maculis fasciisque orichalceis; pedes fulvescentes; alæ flavæ post basim limpidiores.

Dasygogon cruciatus, Say, *Journ. Acad. Philad.* iii. 52, 6. *Wied. Auss. Zweifl.* i. 381, 24.

Pennsylvania.

100. DASYPOGON ALBICEPS.

Fœm. Caput album; thorax cinereus, vittis nigris; abdomen nigrum, albo fasciatum; pedes nigri, tibiis fulvis; alæ sub flavescentes.

Dasygogon albiceps, Macq. *Dipt. Exot. Suppl.* 1, 69, 51.

Texas.

101. DASYPOGON RUFESCENS.

Testaceus; facies et antennæ fulvæ; mystax flavus; thorax vittis tribus nigris, media divisa; abdominis latera albo pubescentia nigroque maculata; alæ subhyalinæ, venis externo-mediis 3 et 4a conjunctis.

Dasygogon rufescens, Macq. *Hist. Nat. Dipt.* i. 295, 8.

Philadelphia.

103. DASYPOGON NIGRIPENNIS.

Fœm. *Niger*; *alæ nigro-violaceæ*.

Dasygogon nigripennis, *Macq. Dipt. Exot. Suppl.* 2, 34, 55, pl. 1, f. 6.

104. DASYPOGON DIMIDIATUS.

Mas. *Niger*; *abdomen albo maculatum*; *pedes fulvi, tibiæ apice tarsique nigra*; *alæ dimidio costali fuscæ*.

Dasygogon dimidiatus, *Macq. Dipt. Exot. Suppl.* 2, 35, 56.

105. DASYPOGON MEXICANUS.

Mas. *Niger*; *mystax fulvus*; *thorax vittis duabus testaceis*; *abdomen fulvo-fasciatum*; *pedes flavi, femoribus basi nigris*; *alæ fuscae, costa fulva*.

Dasygogon mexicanus, *Macq. Dipt. Exot. Suppl.* 1, 68, 49, pl. 6, f. 10.

106. DASYPOGON NIGRITARSIS.

Mas. *Niger*; *mystax flavidus*; *abdomen incisuris albidis*; *pedibus testacei, femoribus nigro cinctis, tibiis apice tarsisque nigris*.

Dasygogon nigratarsis, *Macq. Dipt. Exot. Suppl.* 1, 68, 50.

West Indies.

107. DASYPOGON LINEATUS.

Ferrugineus; *thorax vittis tribus nigris*; *alæ fuscae, medio flavæ*.

Asilus lineatus, *Fabr. Spec. Ins.* ii. 465, 28; *Ent. Syst.* iv. 386, 47.

Dasygogon lineatus, *Fabr. Syst. Antl.* 167, 13. *Wied. Dipt. Exot.* i. 221, 12; *Auss. Zweifl.* i. 385, 29.

West Indies.

108. *DASYPOGON ANGUSTUS*.

Mas. Mystax, antennæ et pedes fulva; thorax testaceus, vittis fuscis; abdomen fuscum, fasciis fulvis; alæ rubiginosa.

asypogon angustus, Macq. Dipt. Exot. Suppl. 3, 20, 59, pl. 1, f. 11.

.. Domingo.

South America.

Div. I. Tibiæ anticæ calcaratæ.

Group 1.

Statura robusta. Corpus et pedes dense hirta. Mystax setis longis nigris. Alarum vena externo-media 3a apicem versus flexa, aque ante hujus apicem conjuncta; subanalis et analis ad marginem conjunctæ.

Merimnia, Walk. Diptera Saundersiana, Pt. 2, 104.

109. *DASYPOGON MALLOPHOROIDES*.

Merimna mallophoroides, Diptera Saundersiana, Pt 2, 104, pl. 4, f. 2.

Colombia.

110. *DASYPOGON TRANSIENS*.

Dasygogon transiens, Cat. of Diptera, 2, 364.

Group 2.

Corpus maximum, parce setosum. Caput thorace paullo angustius. Facies subconvexa, nuda. Mystax setis nonnullis apud epistoma. Antennarum articuli 1us et 2us setosi; 3us lanceolatus, basi supra hirtus, 1o et 2o conjunctim multo longior. Pedes robusti, setosi. Tibiæ anticæ calcaribus parvis. Alarum vena externo-media 3a apicem versus flexa, 4aque ante hujus apicem conjuncta; subanalis et analis at marginem conjunctæ.

- A. *Mystax albus*. - - - - - *rapax*, *Walk.*
 B. *Mystax niger*. - - - - - *melanogaster*, *Wied.*

111. *DASYPOGON RAPAX.*

Dasypogon rapax, *Diptera Saundersiana*, Pt. 2, 88.

112. *DASYPOGON MELANOGASTER.*

Ochraceo-fuscus; abdomen atrum; albo fasciatum; pedes badii; alæ flavescentes.

Dasypogon melanogaster, *Wied. Macq. Dipt. Exot. i. 2, 35, 5.*
Brazil.

, Group 4.

Corpus gracile, sæpissime fulvum aut testaceum. Caput breve, thorace paullo latius; frons et facies plana. *Mystax* rarus, setis nonnullis albis apud peristoma. Antennarum articulus 1us linearis, 2us brevis, obconicus; 3us fusiformis, 1o et 2o conjunctim æqualis aut multo longior. Sexualia parva. Femora et tibiæ parce setosa; ungues mediocres; onychia parva; tibiæ anticæ calcaribus minimis.

Eyes flat in front, where the facets are much larger than those elsewhere. Forks of the cubital vein nearly straight, their base opposite the tip of the discal areolet. First and second external veins proceeding direct to the border; third angular, and connected with the fourth at some distance from the border. Subanal vein nearly connected with the anal on the border.

- A. *Alæ fuscæ.*
 A. Abdomen ferrugineum. - - - *Duillius*, *Walk.*
 B. Abdomen piceum.
 A. *Alæ non vittatæ.* - - - *testaceus*, *Fabr.*
 B. *Alæ vitta limpida.* - - - *insertus*, *Walk.*
 B. *Alæ pallide fuscæ venis flavido limbatis.* *castaneus*, *Macq.*
 C. *Alæ subfulvæ aut flavescentes.*

- A. Antennæ nigræ.
 B. Antennæ fulvæ. - - - - Eburnus, *Walk.*
 A. Abdomen cinereum. - - - - Edon, *Walk.*
 B. Abdomen flavum. - - - - rufiventris, *Wied.*
 D. Alæ flavidæ, apice fuscæ. - - - - rufipalpis, *Macq.*
 E. Alæ subflavescentes, apice cineræ. - Winthemi, *Wied.*
 F. Alæ miniatæ, apice fuscæ. - - - - Lucifer, *Wied.*
 G. Alæ cineræ.
 A. Abdomen non fasciatum. - - - - castigans, *Walk.*
 B. Abdomen fasciis nigris. - - - - miser, *Walk.*
 A. Thorax nigro vittatus.
 B. Thorax non vittatus. - - - - examinans, *Walk.*
 H. Alæ limpide. - - - - inclusus, *Walk.*

113. DASYPOGON DUILLIUS

Dasytogen Duillius, Cat. of Diptera, 2, 340.

114. DASYPOGON TESTACEUS.

Ferrugineus; abdomen apicem versus sensim fuscescens; alæ fuscæ.

Dasytogen testaceus, Fabr. Syst. Antl. 167, 15. Wied. Dipt. Exot. i. 222, 13; Auss. Zweifl. i. 386, 30.

South America.

115. DASYPOGON INSERTUS.

Dasytogen insertus, Diptera Saundersiana, Pt. 2, 94.

Parâ.

116. DASYPOGON CASTANEUS.

Fœm. Ferrugineus; antennæ et pedes fulvæ; thorax vittis tribus fuscis; abdomen castaneum; alæ pallide fuscæ, venis flavido limbatis.

Dasytogen castaneus, Macq. Dipt. Exot. i. 2, 35, 6.

Brazil.

117. DASYPOGON ÆDON.

Dasygogon Ædon, *Cat. of Diptera*, 2, 343.

118. DASYPOGON RUFIVENTRIS.

Fœm. *Nigellus*; *thorax vittis atris; abdomen et pedes saturate flava; alæ flavescentes.*

Dasygogon rufiventris, *Wied. Dipt. Exot.* i. 223, 16; *Auss. Zweifl.* i. 388, 33.

South America.

119. DASYPOGON EBURNUS.

Dasygogon Eburnus, *Cat. of Diptera*, 2, 332.

120. DASYPOGON RUFIPALPIS.

Mas. *Ferrugineus; thorax vittis tribus nigris abbreviatis; abdomen fuscum, fulvo annulatum; antennæ et pedes fulvi; alæ flavidæ, apice fuscæ.*

Dasygogon rufipalpis, *Macq. Dipt. Exot.* i. 2, 38, 13, pl. 3, f. 2.
Cayenne?

121. DASYPOGON WINTHEMI.

Fœm. *Ferrugineus; thorax orichalceus, vittis tribus nigris; alæ flavidæ.*

Dasygogon Winthemi, *Wied.*
South America.

122. DASYPOGON LUCIFER.

Fœm. *Niger; antennæ saturate flavæ; thorax albo notatus; alæ minutæ, apice fuscæ.*

Dasygogon Lucifer, *Wied. Auss. Zweifl.* i. 388, 34.
Monte Video.

123. DASYPOGON CASTIGANS.

asypogon castigans, *Diptera Saundersiana*, Pt. 2, 89.

124. DASYPOGON MISER.

Mas. Fulvus; antennæ nigrae, articulis 1o 2oque subtus fulvis, 3o longissimo; thorax vittis tribus nigris; abdomen fasciis maculisque nigris; femora postica nigro strigata; genua posteriora tarsisque nigricantia; alæ subcinereæ.

Male. Tawny. Head testaceous; vertex black; face with shining white tomentum. Proboscis and palpi blackish towards the tips. Antennæ black; first and second joints tawny beneath; third very much longer than the first and the second together. Thorax with three black stripes, which are dilated in front, interrupted in the middle, and attenuated hindward; the middle one widely interrupted. Abdomen with black bands, which on the second and third segments are interrupted, and reduced to spots or dots. Hind or hinder femora slightly streaked with black; tarsi and under knees mostly black. Wings slightly grayish, with an indistinct pale brownish tinge along the basal half of the costa; veins lack, tawny at the base. Halteres testaceous. Length of the body 4—4½ lines; of the wings 6—7 lines.

b. Rio Tapayos, Brazil. From Mr. Bates' collection.

125. DASYPOGON EXAMINANS.

asypogon examinans, *Diptera Saundersiana*, Pt. 2, 90.
arà.

126. DASYPOGON INCLUSUS.

asypogon inclusus, *Diptera Saundersiana*, Pt. 2, 95.
arà.

Group — ?

A. Thorax niger.

A. Alæ non maculatæ.

a. Abdomen nigrum.

a. Alæ violacææ. - - - - - Gayi, Macq.

b. Alæ rufescentes.

i. Pedes nigri. - - - - - Lebasii, Macq.

ii. Pedes rufi. - - - - - pumilus, Macq.

c. Alæ flavæ. - - - - - flavipennis, Macq.

d. Alæ cinerææ. - - - - - crassitarsis, Macq.

B. Abdomen cupreo-nigrum. - - - - - lugubris, Macq.

c. Abdomen nigrum, lateribus posticis fulvis.

breviventris, Macq.

D. Abdomen rufum. - - - - - fallax, Macq.

E. Abdomen testaceum. - - - - - fraternus, Macq.

B. Alæ maculatæ. - - - - - maculipennis, Macq.

B. Thorax cinereus, fusco vittatus. - - - - - longiungulatus, Macq.

C. Thorax fuscus, fusco vittatus. - - - - - grandis, Macq.

127. DASYPOGON GAYI.

*Niger; abdomen alæque violacæ; tibiæ fulvæ.*Dasygogon Gayi, Macq. *Dipt. Exot.* i. 2, 37, 11.

Chili.

128. DASYPOGON LEBASII.

*Mas. Niger; mystax densus, flavidus; alæ rufescentes, venis fusco limbatis.*Dasygogon Lebasii, Macq. *Dipt. Exot.* i. 2, 38, 12.

Colombia.

129. DASYPOGON PUMILUS.

*Fœm. Niger; pedes rufi, femoribus supra nigris; alæ rufescentes.*Dasygogon pumilus, Macq. *Dipt. Exot.* i. 2, 37, 10.

Brazil.

130. DASYPOGON FLAVIPENNIS.

Fœm. *Ater; mystax albidus; antennæ basi, abdominis apex pedesque fulva; thoracis latera testacea; alæ flavæ.*

Dasygogon flavipennis, Macq. *Dipt. Exot. Suppl.* 1, 64, 42, pl. 7, f. 4.

New Grenada. Temperate Region.

131. DASYPOGON CRASSITARSIS.

Mas. *Niger; facies et mystax alba; thorax albido subvittatus; anus albidus; pedes obscure rufi, tarsi crassis; alæ cinereæ.*

Dasygogon crassitarsis, Macq. *Dipt. Exot.* i. 2, 36, 8.

Brazil.

132. DASYPOGON LUGUBRIS.

Fœm. *Crassus, hirsutus, ater; abdomen cupreo-nigrum; alæ fusæ.*

Dasygogon lugubris, Macq. *Dipt. Exot. Suppl.* i. 64, 41.

New Grenada.

133. DASYPOGON BREVIVENTRIS.

Niger; antennæ fusæ; abdomen postice fulvo marginatum; pedes fulvi; alæ hyalinæ, basi margineque postico subfuscescentibus.

Dasygogon breviventris, Macq. *Dipt. Exot. Suppl.* 3, 21, 61, pl. 1, f. 13.

Rio Negro.

134. DASYPOGON FALLAX.

Fœm. *Crassus, hirsutus, ater; abdomen rufum, apice nigrum; alæ fusæ.*

Dasygogon fallax, Macq. *Dipt. Exot. Suppl.* 1, 63, 40, pl. 7, f. 5.

New Grenada. Temperate Region.

This species seems to be nearly allied to *D. transiens*.

135. DASYPOGON FRATERNUS.

Fœm. *Niger*; *mystax albus*; *abdomen testaceum, basi apiceque nigris, punctis lateralibus albis*; *alæ venis externo-medius 3a 4aque ad marginem conjunctis.*

Dasygogon fraternus, Macq. Dipt. Exot. Suppl. 1, 63, 39.

Brazil.

136. DASYPOGON MACULIPENNIS.

Mas. *Niger*; *thorax cinereo vittatus*; *alæ subcinereæ, fuscae maculatæ.*

Dasygogon maculipennis, Macq. Dipt. Exot. i. 2, 37, 9, pl. 3, f. 8.

Brazil.

137. DASYPOGON LONGIUNGULATUS.

Fœm. *Fuscanus*; *thorax cinereus fusco vittatus*; *abdomen fuscis dorsali nigra*; *pedes testacei, unguibus elongatis.*

Dasygogon longiungulatus, Macq. Dipt. Exot. i. 2, 36, 7.

Brazil.

138. DASYPOGON GRANDIS.

Mas. *Niger*; *mystax albus*; *antennæ articulo 3o subtus testaceo*; *thorax fuscus, vittis fuscis*; *tibiæ anticæ femoræque testaceæ*; *alæ fuscæ.*

Dasygogon grandis, Macq. Dipt. Exot. Suppl. 1, 63, 38, pl. 6, f. 8.

Brazil.

Div. II. Tibiæ anticæ non calcaratæ.

Group 1.

Mystax rarus. Alarum vena externo-media 3a 4aque longe ab alæ marginem connexæ; illa rectangulata.

Prolepsis, Diptera Saundersiana, Pt. 2, 101.

139. *DASYPOGON FUMIFLAMMA*.

Proleptis fumiflamma, *Diptera Saundersiana*, Pt. 2, 100, pl. 3, f. 6.
Brazil.

Group 2.

Mas. Corpus mediocre, sublineare, fere nudum. Caput thorace non latius; facies convexa. Mystax rarus, setis nonnullis apud peristoma. Antennæ breves, graciles; articulus 1us linearis; 2us subclavatus, 1o vix brevior; 3us lanceolatus, 1o et 2o conjunctim æqualis. Abdomen cylindricum. Sexualia parva. Pedes gracilis; femora et tibiæ vix setosæ; tarsi longi; ungues et onychia parva.

Male. Eyes convex, except a very small part in front, which is flat and composed of large facets. Forks of the cubital vein nearly straight, their base a little nearer than the tip of the discal areolet to the tip of the wing. First and second externo-medial veins proceeding direct to the border; third inclined towards the fourth, but at some distance from it on the border. Subanal nearly connected with the anal on the border.

140. *DASYPOGON TRIPARTITUS*.

Mas. *Cervinus*; caput subtus nigrum; antennæ et pedes fulvæ; thorax vittis tribus latis fuscis; abdomen nigricans, apicem versus rufum; alæ cinerea.

Male. Fawn colour. Head shining, black beneath. Mystax with whitish spines. Proboscis black. Palpi and antennæ tawny. Thorax with three broad brown stripes; side pair shortened in front. Abdomen blackish, hoary beneath and on each side; apical third part red. Legs tawny; tibiæ with a few minute white bristles; ungues black. Wings gray; veins black, tawny at the base. Halteres pale testaceous. Length of the body $3\frac{1}{2}$ lines; of the wings 7 lines.

In one wing of the specimen described the veinlet between the cubital vein and the first externo-medial is double.

a. Santarem, Brazil. From Mr. Bates' collection.

Group —?

- A. Alæ non maculatæ.
 A. Tarsi basi non albi.
 A. Alæ nigræ. - - - - hirtipes, *Macq.*
 B. Alæ fuscæ aut ferruginæ.
 a. Thorax niger.
 i. Pedes nigri. - - - - rufipennis, *Macq.*
 ii. Pedes testacei.
 * Femora nigra. - - - - rubiginipennis, *Macq.*
 ** Femora testacea. - - - Bonariensis, *Macq.*
 b. Thorax nigro-fuscus, lateribus scutelloque testaceis.
 fuscipennis, *Macq.*
 c. Thorax fulvus.
 i. Thorax nigro vittatus. - - - dorsalis, *Macq.*
 ii. Thorax vittis testaceo-fuscescentibus. longipes, *Macq.*
 d. Thorax testaceus, fusco vittatus. - fasciatus, *Macq.*
 c. Alæ subcineræ. - - - - fulvicornis, *Macq.*
 d. Alæ hyalinæ. - - - - candidus, *Macq.*
 B. Tarsi basi albi. - - - - albitarsis, *Macq.*
 B. Alæ maculatæ. - - - - punctipennis, *Macq.*

141. DASYPOGON HIRTIPES.

Mas. *Niger*; thorax apice scutellumque albida; pedes hirti;
 alæ nigræ.

Dasytogn hirtipes, *Macq. Dipt. Exot.* i. 2, 46, 31.

Chili.

142. DASYPOGON RUFIPENNIS.

Fœm. *Niger*; antennæ fulvæ, basi nigræ; alæ ferruginæ.

Dasytogn rufipennis, *Macq. Dipt. Exot.* i. 2, 45, 28.

Brazil.

143. *DASYPOGON RUBIGINIPENNIS*.

œm. *Niger, rufo tomentosus; pedes testacei, femoribus nigris; alæ rubiginosæ.*

ypogon rubiginipennis, Macq. Dipt. Exot. i. 2, 45, 29.
zil.

144. *DASYPOGON BONARIENSIS*.

las. *Niger; thoracis scapula vittaque aureo pubescentes; abdominis incisura apice aurea; pedes testacei; alæ fusca, postice fuscana.*

ypogon Bonariensis, Macq. Dipt. Exot. i. 2, 194.
enos Ayres.

145. *DASYPOGON FUSCIPENNIS*.

Fœm. *Nigro-fuscus; frons nigra; facies fusca; thoracis latera et scutellum testacea; abdomen basim versus subcontractum, segmentis quatuor apicalibus nonnunquam nigris; pedes testacei; alæ fusca, margine postico ad partem maculisque duabus pallide flavescentibus.*

ypogon fuscipennis, Macq. Hist. Nat. Dipt. i. 294, 6.
enne.

146. *DASYPOGON DORSALIS*.

œm. *Fulvus; mystax albus; thorax nigro vittatus; abdominis latera et apex fusca; alæ flava, apice fuscana.*

ypogon dorsalis, Macq. Dipt. Exot. Suppl. 3, 20, 60, pl. 1, f. 12.
Negro.

147. DASYPOGON LONGIPES.

Fulvus; abdominis incisuræ nigra; tibiæ intermediæ longæ, simplices; alæ fusco-flavæ.

Microstylum longipes, *Macq. Dipt. Exot.* i. 2, 30, 8, pl. 2, f. 4.
Brazil.

148. DASYPOGON FASCIATUS.

Testaceus; frons, facies, mystax et antennæ pallide fulvæ; thorax fusco vittatus; abdominis segmenta fusco-fasciata; alæ fuscescentes, basi flavescences, venis externo-mediis 3a et 4a conjunctis.

Dasygogon fasciatus, *Macq. Hist. Nat. Dipt.* i. 295, 9.
Cayenne.

149. DASYPOGON FULVICORNIS.

Mas. Niger; antennæ fulvæ, basi nigra; thorax cinereus, vittis tribus nigris; tibiæ tarsique anteriora testacea; alæ subcinereæ.

Dasygogon fulvicornis, *Macq. Dipt. Exot. Suppl.* 1, 67, 47, pl. 7, f. 1.
Brazil.

150. DASYPOGON CANDIDUS.

Mas. Candidus; antennæ pedesque nigra; abdominis segmenta 3um, 6um, 7umque fusca; alæ hyalinæ.

Dasygogon candidus, *Macq. Dipt. Exot. Suppl.* 1, 67, 48.
Vera Cruz.

151. DASYPOGON ALBITARSIS.

Fœm. Ater, gracilis; mystax albus; thorax lineis albis; tarsi basi albi; alæ elongatæ, angustæ, margine fusco.

Dasygogon albitarsis, *Macq. Dipt. Exot. Suppl.* 1, 66, 46, pl. 7, f. 7.
Brazil.

152. DASYPOGON PUNCTIPENNIS.

Fæm. *Ater*, *tibiæ tarsique anteriora testacea*; *alæ subhyalinæ, fusco punctatæ.*

Dasygogon punctipennis, *Macq. Dipt. Exot. i. 2, 46, 30.*

Chili.

Div. — ?

- A. Alæ nigræ. - - - - - *Satanas*, *Wied.*
- B. Alæ fuscæ.
 - A. Thorax chalybeus. - - - - - *aurarius*, *Wied.*
 - B. Thorax ferrugineus. - - - - - *cædens*, *Wied.*
- C. Thorax niger.
 - A. Thorax vittatus.
 - a. Abdomen totum nigrum. - - - *caiennensis*, *Fabr.*
 - b. Abdomen basi rufum. - - - *semirufus*, *Wied.*
 - B. Thorax non vittatus.
 - a. Abdomen apice rubidum. - - - *hirtuosus*, *Wied.*
 - b. Abdomen totum nigrum. - - - *caminarius*, *Wied.*
- D. Thorax ochraceus. - - - - - *aberrans*, *Wied.*
- C. Alæ flavescentes.
 - A. Thorax niger, vittis pallidis.
 - A. Alæ apice fuscæ.
 - a. Abdomen fasciatum.
 - i. Antennæ nigræ. - - - - - *ornatus*, *Wied.*
 - ii. Antennæ flavæ. - - - - - *mundatus*, *Wied.*
 - b. Abdomen non fasciatum. - - - *capnopterus*, *Wied.*
 - B. Alæ omnino flavescentes. - - - *flavipennis*, *Wied.*
 - B. Thorax fuscus aut auratus.
 - A. Pedes nigri. - - - - - *coffeatus*, *Wied.*
 - B. Pedes badii aut rufescentes.
 - a. Abdomen nigrum, maculis auratis. - *intactus*, *Wied.*
 - b. Abdomen fuscum. - - - *reticulatus*, *Fabr.*
 - c. Abdomen rubidum.
 - i. Antennarum articulus 3us dilatatus. *equestris*, *Wied.*
 - ii. Antennarum articulus 3us non dilatatus. *Miles*, *Wied.*
- D. Alæ limpidæ.
 - A. Alæ apice fuscæ.
 - A. Thorax niger, lateribus fulvis. - - - *rutilus*, *Wied.*
 - B. Thorax rufus, vittis nigris. - - - *ardens*, *Wied.*

- B. Alæ apud costam fuscæ.* - - fuliginosus, *Wied.*
C. Alæ basi fuscæ. - - - coriaceus, *Wied.*
D. Alæ omnino limpide.
 A. Thorax flavidus.
 a. Thorax vittis nigris. - - - necans, *Wied.*
 b. Thorax vittis fuscis. - - - vittatus, *Wied.*
 B. Thorax albidus, vittis rubidis. - - tessellatus, *Wied.*

153. DASYPOGON SATANAS.

Mas. Ater; alæ nigræ, apice et litura ad marginem internum flavidis.

Dasygogon Satanas, Wied. Auss. Zweifl. i. 401, 56.
 Monte Video.

154. DASYPOGON AURARIUS.

Niger; thorax chalybeus, fulvo hirtus; abdomen pilis densis appressis aurarius; alæ subfuscescentes.

Dasygogon aurarius, Wied. Dipt. Exot. i. 229, 29; Auss. Zweifl. i. 410, 71.

Brazil.

155. DASYPOGON CÆDENS.

Mas. Ferruginoso-fuscus; antennæ flavo-fuscæ; abdomen longum, apice nigrum; pedes lutei, tibiis posticis nigro-fuscis; alæ fuscæ.

Dasygogon cædens, Wied. Auss. Zweifl. i. 584, 19.
 Brazil.

156. DASYPOGON CAIENNENSIS.

Niger; thorax vitta media orichalcea fusco divisa, lateribus scutello et metathorace orichalceis; alæ fuscæ.

Asilus cayennensis, Fabr. Mant. Ins. ii. 360, 32; Ent. Syst. iv. 386, 45.

Laphria cajennensis, *Fabr. Syst. Antl.* 162, 25.
Dasygogon cainnensis, *Wied. Dipt. Exot.* i. 220, 12; *Auss. Zweifl.* i. 383, 27.
Cayenne.

157. *DASYGOGON SEMIRUFUS*.

Niger; thorax vittis duabus flavis; abdomen basi rufum; alæ fuscæ, basi ad costam flavæ.

Dasygogon semirufus, *Wied. Auss. Zweifl.* i. 393, 42.
Brazil.

158. *DASYGOGON HIRTUOSUS*.

Niger, flavido hirtus; abdomen incisuris anoque rubidis; alæ subfuscescentes.

Dasygogon hirtuosus, *Wied. Dipt. Exot.* i. 227, 25; *Auss. Zweifl.* i. 402, 59.
Brazil.

159. *DASYGOGON CAMINARIUS*.

Niger; thorax fuliginosus; abdomen basi fuscum; pedes picei, femoribus apice tarsisque ochraceo-fuscis; alæ fuscæ.

Dasygogon caminarius, *Wied. Auss. Zweifl.* i. 585, 20.
Brazil.

160. *DASYGOGON ABERRANS*.

Ochraceus, mystax albus; thorax orichalceo micans, vittis tribus ochraceo-fuscis; abdominis incisuræ flavescens; alæ subfuscescentes.

Dasygogon aberrans, *Wied. Auss. Zweifl.* 389, 35.
South America.

161. DASYPOGON ORNATUS.

Ater; *thorax vittis tribus albidis*; *alæ flavidæ, apice fuscæ*.
 Mas.—*Abdomen atrum, fasciis duabus lateribusque albidis*.
 Fœm.—*Abdomen testaceum, basi atrum*.

Laphria ornata, *Wied. Zool. Mag.* iii. 49, 13.

Dasygogon ornatus, *Wied. Dipt. Exot.* i. 222, 14; *Auss. Zweifl.* i. 386, 31.

Brazil.

162. DASYPOGON MUNDATUS.

Fœm. *Niger*; *antennæ fusco-flavæ*; *thorax vittis tribus flavis*;
abdominis segmenta flavo fasciata; *pedes flavidi, tarsorum*
articulis apice nigris.

Dasygogon mundatus, *Wied. Auss. Zweifl.* i. 569, 56.

Brazil.

163. DASYPOGON CAPNOTERUS.

Niger; *thorax vittis antice flavis postice canis*; *alæ flavidæ, costâ*
apiceque infumatis; *tarsi basi fusci*.

Dasygogon capnoterus, *Wied. Auss. Zweifl.* i. 376, 15.

Monte Video.

164. DASYPOGON FLAVIPENNIS.

Mas. *Niger*; *thorax vittatus, interstitiis luteis*; *abdominis inci-*
suræ intermediæ flavescens; *pedes antice fuscato-lutei,*
superne fusci; *alæ flavescens*.

Dasygogon flavipennis, *Wied. Auss. Zweifl.* i. 376, 16.

Brazil.

165. DASYPOGON COFFEATUS.

Mas. *Ferrugineo-fuscus*; *abdomen nigrum, fasciis schistaceis*;
pedes nigri; *alæ flavæ*.

Dasygogon coffeatus, *Wied. Zool. Mag.* iii. 49, 12; *Dipt. Exot.* i. 217, 5; *Auss. Zweifl.* i. 374, 12.

Brazil.

166. DASYPOGON INTACTUS.

Thorax auratus, fuscato vittatus; abdomen nigrum, incisuris maculisque utrinque trigonis auratis; pedes ferruginosi; alæ flavescentes, apice subfuscescentes.

Dasygogon intactus, Wied. *Auss. Zweifl.* i. 371, 9.

South America.

167. DASYPOGON RETICULATUS.

Mas. Fuscus; thorax ferrugineo lineatus; abdomen fasciis glabris cinerascentibus; pedes rufescentes; alæ flavescentes.

Laphria reticulata, Fabr. *Syst. Antl.* 160, 19.

Dasygogon reticulatus, Wied. *Dipt. Exot.* i. 212, 6; *Auss. Zweifl.* i. 378, 20.

South America.

168. DASYPOGON EQUESTRIS.

Fœm. Rubidus; antennæ articulo 3o dilatato; thorax orichalceus, fusco vittatus; abdomen utrinque fuscum et orichalceum, apice croceum; pedes badii; alæ subflavescentes, apice subcinereæ.

Dasygogon equestris, Wied. *Auss. Zweifl.* i. 392, 41.

Brazil.

169. DASYPOGON MILES.

Fœm. Rubidus; thorax fulvidus, vittis rubidis; alæ subflavescentes, apice subcinereæ.

Dasygogon Miles, Wied. *Auss. Zweifl.* i. 393, 43.

Brazil.

170. DASYPOGON RUTILUS.

Niger; thoracis latera abdominisque maculæ laterales fulvæ; pedes subferruginei; alæ limpideæ, apice subfuscescentes.

Dasygogon rutilus, Wied. *Dipt. Exot.* i. 231, 32; *Auss. Zweifl.* i. 370, 6.

Brazil.

171. DASYPOGON ARDENS.

Fœm. *Rufus, fulvo pilosus; thorax vittis nigris; abdomen basi nigrum; alæ apice margineque fuscescentibus.*

Dasygogon ardens, Wied. *Auss. Zweifl.* i. 391, 39.

Brazil.

172. DASYPOGON FULIGINOSUS.

Mas. *Fuliginosus; abdomen nigrum, basi fuscum; pedes nigro-picei, tibiis ochraceo-fuscescentibus; alæ apud costam fuscæ.*

Dasygogon fuliginosus, Wied. *Dipt. Exot.* i. 208, 8; *Auss. Zweifl.* i. 380, 22.

Brazil.

173. DASYPOGON CORIACEUS.

Coriaceus; thorax vittis latissimis fuscis; abdomen fuscum, fascia coriacea; alæ basi fuscæ.

Dasygogon coriaceus, Wied. *Dipt. Exot.* i. 230, 30; *Auss. Zweifl.* i. 411, 73.

Brazil.

174. DASYPOGON NECANS.

Mas et Fœm. *Flavidus; antennæ rufescentes; thorax vittis tribus nigris; abdomen vitta lata nigra; pedes fusci; alæ limpide.*

Dasygogon necans, Wied. *Auss. Zweifl.* i. 392, 40.

Brazil.

175. DASYPOGON VITTATUS.

Mas. *Flavidus; caput ferrugineum; thorax fusco vittatus; abdomen cinerascens, nigro vittatum; pedes fuscanti; alæ limpidissimæ.*

Dasygogon vittatus, Wied. *Auss. Zweifl.* i. 389, 36.

Monte Video.

176. *DASYPOGON TESSELLATUS.*

Mas. *Albidus*; *thorax vittis quinque rubidis*; *abdomen fuscato tessellatum*; *pedes ferruginei*; *alæ limpidissimæ.*

asypogon tessellatus, *Wied. Auss. Zweifl.* i. 390, 38.
monte Video.

Africa.

Div. I. *Tibiæ anticæ apice calcaratæ.*

Group 1.

Corpus gracile, fere nudum. Caput thorace vix latius. Frons plana, nuda, mystax setis duabus apud epistoma. Pedes validi; tibiæ anticæ calcaribus minimis.

Forks of the cubital vein nearly straight, their base a little nearer than the end of the discal areolet to the tip of the wing; first and second externo-medial veins nearly straight; third inclined the fourth, but at some distance from it on the border; subanal some distance from the anal on the border.

177. *DASYPOGON HUMERALIS.*

Mas. *Fuscus*; *antennæ et humeri rubiginea*; *abdomen nigrum*; *alæ subcinereæ.*

asypogon humeralis, *Wied.*
Monte Video.

Group 2.

Corpus gracile, fere nudum. Caput thorace vix angustius. Frons plana, nuda. Mystax setis quatuor apud epistoma. Pedes validi; tibiæ anticæ calcaribus parvis.

Fore fork of the cubital vein undulating, hind fork slightly curved, their base a little nearer than the end of the discal areolet to the tip of the wing; first and second externo-medial veins nearly straight; third very slightly inclined to the fourth, and far apart from it on the border; subanal near the anal on the border.

A. Abdomen vitta dorsali nigra.

A. Venæ cubitalis furca 1a angulata. - Anaxilas, Walk.

B. Venæ cubitalis furca non angulata. - Alcippe, Walk.

B. Abdomen ferrugineum.

A. Thorax trivittatus. - - - - - letifer, Walk.

B. Thorax bivittatus. - - - - - videns, Walk.

178. DASYPOGON ANAXILAS.

Dasypogon Anaxilas, *Cat. of Diptera*, 2, 324.

This species may be a variety of *D. Alcippe*, but the first fork of the cubital vein is angular near its base, and the third external vein is more remote from the fourth on the border.

179. DASYPOGON ALCIPPE.

Dasypogon Alcippe, *Cat. of Diptera*, 2, 338.

180. DASYPOGON LETIFER.

Dasypogon letifer, *Diptera Saundersiana*, Pt. 2, 89.

Caffraria?

181. DASYPOGON VIDENS.

Dasypogon videns, *Diptera Saundersiana*, Pt. 2, 93.

Group 3.

Dasypogon, Loew.

182. DASYPOGON CRASSUS.

Niger, crassus; pedes hirti; halteres fulvi. Mas.—*Ala fuscana.*Fœm.—*Abdominis segmenta 2um, 3um et 4um supra fusco-rubrescentia; alæ flavidæ.*Dasypogon crassus, *Macq. Expl. Scient. Alg.* 361; *Ins.* 433, 53, pl. 1, f. 12.

Algeria.

D. punctatus is nearly allied to this species, but may be distinguished by its brown halteres.

Group 6.

Corpus gracile. Caput, thorax et abdomen basi densissime irta. Caput thorace vix angustius. Facies plana, hirta. Mystax ensissime hirtus. Antennarum articulus 3us fusiformis, 1o et 2o conjunctum multo longior. Pedes sat validi, hirti; tibiæ anticæ calcaribus parvis.

Forks of the cubital vein nearly straight, their base a little nearer to the tip of the wing than the end of the discal areolet; first and second externo-medial veins straight; third much inclined to the fourth, and near it on the border; subanal joining the anal on the border.

183. DASYPOGON CLÆLIUS.

Dasygogon Clælius, Cat. of Diptera, 2, 351.

Group 5.

Fœm. Corpus sat gracile, fere nudum. Caput thorace vix angustius. Facies plana, nuda. Mystax setis quatuor. Antennarum articulus 2us 1o brevior; 3us fusiformis, 1o et 2o conjunctum longior. Pedes sat graciles, fere nudi; tibiæ anticæ calcaribus arvis.

Forks of the cubital vein nearly straight, their base very little nearer than the end of the discal areolet to the tip of the wing; first and second externo-medial veins straight; third inclined to the fourth and not far from it on the border; subanal joining the anal on the border.

184. DASYPOGON TAPULUS.

Dasygogon Tapulus, Cat. of Diptera, 2, 351.

Group 8.

Mas. Corpus mediocre, gracile, fere nudum. Caput thorace paullo latius. Facies plana, nuda. Mystax quadrisetosus. Oculi magni. Antennæ sat longæ; articulus 1us linearis, 2o multo longior; 3us obconicus; 3us longifusiformis, 1o et 2o conjunctim paullo longior. Abdomen longioblatum, apice nitens. Sexualia magna. Pedes graciles; ungues et onychia parva: tibiæ antice calcaribus parvis.

Forks of the cubital vein slightly curved, their base a little nearer than the end of the discal areolet to the tip of the wing. Four externo-medial veins proceeding nearly directly to the border; third and fourth slightly inclined to each other, but at some distance apart on the border; subanal joining the anal on the border; discal areolet nearly pentagonal, rather long and narrow.

185. DASYPOGON LIMBITHORAX.

Fœm. *Gracilis niger, antennæ pedesque testacea; thorax villis lateralibus albidis; alæ fuscæ.*

Dasypon limbithorax, Macq. Dipt. Exot. Suppl. i. 60, 34.

Caffraria.

Group — ?

A. Alæ fuscæ. - - - - - longicornis, *Macq.*

B. Alæ hyalinæ.

A. Abdomen albo non maculatum. - - - Olivierii, *Macq.*

B. Abdomen albo maculatum. - - - Ægyptius, *Macq.*

186. DASYPOGON LONGICORNIS.

Mas. *Niger, gracilis; antennæ capite duplo longiores; scutellum, abdomen pedesque rufa; alæ fuscæ, basi flavescentes.*

Dasypon longicornis, Macq. Dipt. Exot. i. 2, 192.

Egypt.

187. DASYPOGON OLIVIERII.

Mas. *Niger*; thorax albido trilineatus; abdomen fulvum, nigro cinctum, lateribus nigro maculatis; alæ subflavo hyalinæ.

Dasygogon Olivierii, Macq. *Dipt. Exot.* i. 2, 33, 1.

Egypt.

188. DASYPOGON ÆGYPTIUS.

Mas. *Niger*; abdominis segmenta 2o ad 7um fulva lateribus nigris, 2um et 3um marginibus posticis albo maculatis; tibiæ tarsique fusca; alæ hyalinæ, basi subfusca.

Dasygogon Ægyptius, Macq. *Dipt. Exot.* i. 2, 33, 2.

Egypt.

Div. II. Tibiæ anticæ non calcaratæ.

Group 1.

This group may be divided into two sub-groups.

Sub-group 1.

Corpus magnum aut maximum, robustum. Caput thorace paullo angustius. Facies nuda, vix convexa. Mystax apud peristoma dense setosus. Antennæ sat longæ; articulus 1us 2o paullo longior; 3us subclavatus, 1o et 2o conjunctim multo longior. Prothorax crassus. Abdomen fere nudum, plus dimidio basali hirtum, apicem versus nitens; anus spinis armatus. Pedes validi, setosi; ungues et onychia magna.

Microstylum, p., Macq. *Dipt. Exot.* i. 2, 26, 3.

Forks of the cubital vein opposite at the base to the end of the discal areolet; fore fork curved forward; hind fork curved hindward towards the first externo-medial vein. First and second externo-medial veins straight; third obsolete beyond the discal areolet; fourth straight, joined to the third by a long slightly

undulating veinlet; subanal joining the anal very near the border. Discal areolet very long and narrow.

The stouter body, thicker mystax, shorter wings and some other peculiarities distinguish this sub-group from *Megapollyon*.

Sub-group 2.

Corpus maximum, setosum, dense pilosum. Caput thorace angustius; facies nuda, subconvexa. Mystax setis octa validus apud peristoma. Barba densa. Antennæ sat longæ; articulis 1us 2o longior; 3us longissime fusiformis, 1o et 2o conjunctim longior. Thoracis dorsum pubescens, latera setosa. Abdomen plus dimidio basili obscurum, dense hirtum, apicem versus nitens, nudum aut nudiusculum; anus spinus armatus. Pedes validi setosi, pilosi; ungues et onychia magna.

Microstylum, p., *Macq.*

Megapollyon, *Walk. Insecta Saundersiana*, Pt. 2, 85.

Forks of the cubital vein nearly straight, their base much nearer than the end of the discal areolet to the tip of the wing. First externo-medial vein much curved forward near its base; second straight; third obsolete beyond the discal areolet, or appearing only as the stump of a vein; fourth proceeding nearly straight to the border, joined to the third by a long slightly undulating veinlet, which is nearly parallel to the border of the wing; subanal joining the anal far from the border. Discal areolet very long and narrow.

A. Alæ non maculatæ.

A. Alæ nigricantes. - - - - - acutirostris, *Loew*.

B. Alæ nigre, basi albæ. - - - - - Pica, *Macq.*

C. Alæ fuscæ.

a. Alæ costa ferruginea.

a. Barba *feminae* nigra. - - - - - Barbarossa *Wied.*

b. Barba *feminae* fulva. - - - - - Serranus, *Walk.*

b. Alæ costa non ferruginea.

a. Thorax disco nigro. - - - - - Blæsus, *Walk.*

b. Thorax vittis quatuor piceis. - - - - - Saverrio, *Walk.*

D. Alæ fuscæ, venis flavo limbatis. - - - - - venosus, *Wied.*

E. Alæ fusco lituratæ. - - - - - gigas, *Wied.*

F. Alæ subferrugineæ. - - - - - capensis, *Wied.*

G. Alæ subflavescentes.	-	-	-	-	rubripes, Macq.
H. Alæ hyalinæ.	-	-	-	-	simplicissimus, Loew.
I. Alæ lacteæ.	-	-	-	-	lacteipennis, Wied.
B. Alæ maculatæ.	-	-	-	-	afer, Wied.

189. DASYPOGON ACUTIROSTRIS.

Thorax fusco-cinereus, striis nigris nitidis, lateralibus e maculis duabus compositis, intermedia duplici; abdomen fulvescens, ad basim et ab segmento 5o nigrum; alæ nigricantes.

Microstylum acutirostre, Loew, Bericht Verhandl. Kon. Preuss Akad. Wissensch. Berl. 1852, 658, 9.

Mozambique.

190. DASYPOGON PICA.

Mas. Rufescens; thorax vittis nigris; antennæ, mystax pedesque nigra; abdomen nigrum, incisuris flavis; alæ nigrae, basi albæ.

Microstylum Pica, Macq. Dipt. Exot. Suppl. i. 59, 12, pl. 6, f. 6.

Cafraria.

4. Port Natal. From M. Gueinzus' collection.

191. DASYPOGON BARBAROSSA.

Niger; alæ fusca, ad costam rubida. Mas.—Barba rufa. Fem.—Barba nigra.

Dasygogon Barbarossa, Wied. Auss. Zweifl. i. 370, 7.

Microstylum Barbarossa, Macq. Dipt. Exot. i. 2, 29, 5.

Cape. Madagascar.

192. DASYPOGON SERRANUS.

Dasygogon Serranus, Cat. of Diptera, 2, 308.

4. Port Natal. From M. Gueinzus' collection.

This may be a variety of *D. Barbarossa*.

193. DASYPOGON BLÆSUS.

Dasypogon Blæsus, *Cat. of Diptera*, 2, 309.

194. DASYPOGON SAVERRIO.

Dasypogon Saverrio, *Cat. of Diptera*, 2, 309.

195. DASYPOGON VENOSUS.

Badius; tarsi apice nigri; alæ fusæ, venis flavo limbatis.

Dasypogon venosus, *Wied.*

South Africa.

196. DASYPOGON GIGAS.

Fuscus; abdomen nigrum, segmentis mediis, incisuris lateribusque subtestaceis; alæ fusco lituratae.

Dasypogon gigas, *Wied. Dipt. Exot.* i. 216, 3; *Auss. Zweifl.* i. 369, 5, pl. 6, f. 3.

Cape.

197. DASYPOGON CAPENSIS.

Ochraceus; abdomen nigrum, maculis lateralibus cinereis; alæ subferrugineæ.

Asilus capensis, *Fabr.*

South Africa.

198. DASYPOGON RUBRIPES.

Ater; facies ferrugineo-fusca; abdomen rufo fasciatum; pedes testacei; alæ subflavescentes.

Microstylum rubripes, *Macq. Dipt. Exot.* i. 2, 28, 3.

Cape.

199. DASYPOGON SIMPLICISSIMUS.

Obscure flavo-cinereus; facies tota barbata; alæ hyalinæ, versus marginem posteriorem multo tenuioribus, venæ cu ramo postico vena externo-media 1a conjuncto.

Microstylum simplicissimum, Loew, Bericht Verhandl. Kon. Akad. Wissensch. Berl. 1852, 658, 8.

Mozambique.

200. DASYPOGON LACTEIPENNIS.

Niger; abdomen utrinque vitta cinerea; pedes obscure badi lacteæ.

Dasygogon lacteipennis, Wied.

South Africa.

201. DASYPOGON AFER.

Fœm. Thorax cæcio nigellus, fusco vittatus; abdomen p incisuris rubidis, marginibus albidis; pedes rubidi fuscato plagiata.

Dasygogon afer, Wied.

South Africa.

Group 2.

Corpus longum. Caput et thorax hirta et setosa. Caput race multo angustius. Facies convexa. Mystax dense s Antennarum articulus 3us sublinearis, arista longa, articuli 2o conjunctim paullo longior. Abdomen pubescens, alis l Pedes validi, setosi.

Sub-group 1.

Forks of the cubital vein much nearer than the end of the anal areolet to the tip of the wing; fore fork undulating; hind fork slightly inclined near its tip to the first externo-medial, while the second, is almost straight; third externo-medial much nearer to the fourth, but at some distance from it on the border; s joining the anal on the border.

Type *D. Scheno.*

- A. Thorax quadrivittatus. - - - - - Scheno, *Walk.*
 B. Thorax trivittatus. - - - - - dilutus, *Walk.*

202. DASYPOGON SCHENO.

Dasygogon Scheno, Cat. of Diptera, 2, 312.

203. DASYPOGON DILUTUS.

Dasygogon dilutus, Diptera Saundersiana, Pt. 2, 98.
 Cape.

Sub-group 2.

Forks of the cubital vein a little nearer than the end of the discal areolet to the tip of the wing; fore fork slightly undulating; hind fork straight; first and second externo-medial veins straight; third joining the fourth at some distance from the border; subanal almost joining the anal on the border.

204. DASYPOGON ANTIGENES.

Dasygogon Antigenes, Cat. of Diptera, 2, 312.

Group 3.

Corpus elongatum, fere nudum. Caput thorace paullo angustius. Facies plana. Antennarum articulus 3us clavatus, 1o et 2o conjunctim vix brevior. Abdomen tomentosum. Pedes robusti, setosi.

Forks of the cubital vein slightly curved from each other, their base opposite the end of the discal areolet. First externo-medial extremely curved near its base, more than twice further at its end from the second externo-medial than from the hind fork of the cubital; second and fourth proceeding nearly straight to the border; third undulating hindward and joining the fourth at a considerable distance from the border. Subanal joining the anal on the border.

205. DASYPOGON SPURINUS.

Dasygogon Spurius, *Cat. of Diptera*, Pt. 2, 323.

Group 4.

Stichopogon, *Loew*.

Alæ non punctatæ.

A. Femora antica vix incrassata. - - - *gigantellus*, *Loew*.

B. Femora antica valde incrassata. - - - *Mantis*, *Loew*.

Alæ puncto nigro. . - - - *punctatus*, *Loew*.

206. DASYPOGON GIGANTELLUS.

Cinereus; abdomen cingulis sex latis, albis, æqualibus, tenuiter interruptis.

Stichopogon gigantellus, *Loew*, *Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl.* 1852, 658, 6.

Zambique.

207. DASYPOGON MANTIS.

Obscure flavido-cinereus; facies angustissima; femora antica basi valde incrassata, fere trigona, subtus spinosissima; tibiæ anticæ intus nigro spinosæ, reliquis crassiores; alarum vena externo-media 2a brevis, ab 3a longe remota; 3a et 4a longe ante marginem; alæ conjunctæ.

Dasygogon Mantis, *Loew*, *Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl.* 1852, 659, 10.

Zambique.

208. DASYPOGON PUNCTATUS.

Fusco-cinereus; alæ cinereo-hyalinæ, puncto minuto distinctissimo signatæ.

Stichopogon punctatum, *Loew*, *Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl.* 1852, 658, 7.

Zambique.

Group 5. *Xiphocerus*, Loew.209. *DASYPOGON REYNAUDII*.

Mas. *Niger*; *thorax fulvo marginatus*; *abdomen albo fasciatum*, *segmentis ultimis fulvis*; *pedes fulvi*; *alæ subfuscæ*, *ad costam flavæ*.

Xiphocera Reynaudii, Macq. *Dipt. Exot.* i. 2, 48, 1, pl. 3, f. 9.
Cape.

Group 6. *Acnephalum*, Loew.

A. Pedes nigri.	-	-	-	-	-	-	-	brevis, Macq.
B. Tibiæ rufæ.	-	-	-	-	-	-	-	curtus, Wied.
C. Tibiæ tarsique testacea.	-	-	-	-	-	-	-	dorsalis, Macq.

210. *DASYPOGON BREVIS*.

Mas. *Ater*, *flavido hirsutus*; *vertex pilis rubris*; *alæ basi subfuscæ*, *venæ cubitalis ramus posticus venâ externo-media 1a conjunctus*; *vena externo-media 3a 4a conjuncta*.

Acnephalum breve, Macq. *Dipt. Exot.* i. 2, 52, 2, pl. 4, f. 3.
Cape.

211. *DASYPOGON CURTUS*.

Mas. *Niger*, *albido hirtus*; *tibiæ posticæ rufæ*.

Dasygogon curtus, Wied. *Zool. Mag.* iii. 6, 7; *Dipt. Exot.* i. 229, 28; *Auss. Zweifl.* i. 409, 70.

Cape.

212. *DASYPOGON DORSALIS*.

Fœm. *Ater*; *femora subtus rufa*, *tibiæ tarsique testacea*; *alæ hyalinæ*, *basi subfuscæ*.

Acnephalum dorsale, Macq. *Dipt. Exot.* i. 2, 52, 3, pl. 4, f. 4.
Cape.

Group 7. Pycnopogon? Loew.

A. Thorax vittatus.

A. Pedes fulvi. - - - - - andrenoides, Wied.

B. Pedes nigri. - - - - - quadratus, Wied.

B. Thorax non vittatus. - - - - - apiformis, Macq.

213. DASYPOGON ANDRENOIDES.

Niger, cinerascens hirtus; thorax apice vittulis tribus; abdomen fasciis albo pilosis; pedes fulvi, femoribus supra nigris; alae basi costa et apud venas transversas fusciscentes.

Dasygogon andrenoides, Wied. Auss. Zweifl. i. 403, 61.

Cape.

214. DASYPOGON QUADRATUS.

Niger, cinerascens hirtus; thorax apice vittulis tribus albis; abdominis margo flavo hirtus.

Dasygogon quadratus, Wied. Auss. Zweifl. i. 404, 62.

Cape.

215. DASYPOGON APIFORMIS.

Mas et Fœm. *Niger, latus, flavo pilosus; mystax flavus; alae flavae.*

Dasygogon apiformis, Macq. Expl. Scient. Alg. iii. Ins. 436, 60, pl. 2, f. 7.

Algeria.

Group 8.

Corpus mediocre, sublineare, pubescens, parce setosum. Caput horace paullo angustius. Facies plana, epistoma versus subconrexa. Mystax setis plurimis, faciei trientem basalem occupans. Pedes robusti, setosi.

Forks of the cubital vein nearer at the base than the end of the discal areolet to the tip of the wing; fore fork slightly undulating; hind fork nearly straight. Four externo-medial veins separate, proceeding nearly straight to the border. Subanal and anal united at a long distance from the border.

216. DASYPOGON LÆVINUS.

Dasygogon Lævinus, *Cat. of Diptera*, 2, 358.

Group 9.

Corpus breve, crassus, parce pilosum et setosum. Caput thorace paullo angustius. Facies plana. Mystax setosus, faciem usque ad antennis occupans. Pedes robusti, pilosi, setosi.

Forks of the cubital vein curved from each other, their base opposite the end of the discal areolet; fore fork near its base angular, and emitting a short branch towards the base of the wing. First externo-medial joining the hind fork of the cubital at some distance from the border; second proceeding straight to the border; third connected with the fourth at some distance from the border. Subanal united to the anal very near the border.

217. DASYPOGON LUSCINIUS.

Dasygogon Luscinius, *Cat. of Diptera*, 2, 360.

Group — ?

A. Areola discalis simplex.

A. Alæ nigræ. - - - - - maurus, *Macq.*

B. Alæ fuscæ.

A. Pedes fulvo-rubri. - - - - - obscuripennis, *Macq.*

B. Pedes nigri. - - - - - pusillus, *Macq.*

C. Alæ rufescentes.

A. Pedes nigri. - - - - - rubiginipennis, *Macq.*

B. Pedes fulvi. - - - - - tenuis, *Macq.*

D. Alæ flavescentes.

A. Pedes nigri, femoribus testaceis. - flavipennis, *Macq.*

- B. Pedes pallidi.
 a. Abdomen nigrum.
 i. Frons non aurata. - - - longus, *Macq.*
 ii. Frons aurea. - - - aurifrons, *Macq.*
 b. Abdomen rubrum. - - - rubriventris, *Macq.*
 E. Alæ subcineræ aut hyalinæ.
 A. Pedes nigri.
 a. Abdomen non punctatum. - - - nitidus, *Macq.*
 b. Abdomen punctis albis. - - - pusio, *Macq.*
 B. Pedes pallidi.
 a. Antennæ nigræ. - - - scapularis, *Macq.*
 b. Antennæ rufæ. - - - pygmæus, *Macq.*
 B. Areola discalis duplicata. - - - heteroneurus, *Macq.*

218. DASYPOGON MAURUS.

Niger; mystax et barba nigra; thorax vittatus; alæ nigricantes; halteres fulvi. Mas.—Facies argentea. Fœm.—Facies aurata; abdominis segmenta sum, 4um et 5um supra rufa.

Dasygogon maurus, Macq. Expl. Scient. Alg. iii. Ins. 435, 57, pl. 2, f. 1.

Algeria.

219. DASYPOGON OBSCURIPENNIS.

Niger; mystax flavus; barba nigra; pedes fulvo-rubri; alæ fuscæ, basi flavæ, apice et apud costam limpidæ; halteres fulvi. Fœm.—Abdomen testaceum, apice nigrum.

Dasygogon obscuripennis, Macq. Expl. Scient. Alg. iii. Ins. 434, 5, pl. 2, f. 2.

Algeria.

220. DASYPOGON PUSILLUS.

Fœm. Niger, nitidus; facies et mystax flavida; alæ subfuscæ.

Dasygogon pusillus, Macq. Dipt. Exot. i. 2, 42, 22; Expl. Scient. Alg. iii. Ins. 439, 68.

Algeria.

221. DASYPOGON RUBIGINIPENNIS.

Fœm. *Niger, flavido pilosus; mystax albidus; abdomen angustum; tibiæ basi testaceæ; alæ rufescentes; halteres fulvi.*

Dasygogon rubiginipennis, Macq. Expl. Scient. Alg. iii. Ins. 4, 35, 56, pl. 2, f. 5.

Algeria.

222. DASYPOGON TENUIS.

Fœm. *Gracilis, niger; facies mystaxque flavida; thorax fuscus, vittis tribus nigris; pedes fulvi, femoribus postici nigris; alæ rufescentes.*

Dasygogon tenuis, Macq. Dipt. Exot. i. 2, 42, 20; Expl. Scient. Alg. iii. Ins. 437, 61.

Algeria.

223. DASYPOGON FLAVIPENNIS.

Mas. *Flavido-cinereus; antennæ nigrae, apice testaceæ; mystax albidus; thorax vittis fuscis; pedes nigri, femoribus testaceis; alæ flavæ.*

Dasygogon flavipennis, Macq. Dipt. Exot. Suppl. 1, 59, 11.

Caffraria.

224. DASYPOGON LONGUS.

Fœm. *Niger; thorax fuscus, albo lineatus; abdomen elongatum; pedes fulvi, femora supra nigra; alæ subflavæ.*

Dasygogon longus, Macq. Dipt. Exot. i. 2, 43, 23.

Egypt.

225. DASYPOGON AURIFRONS.

Niger; frons aurea; thorax cinereo tomentosus, nigro trivittatus; pedes fulvi; alæ flavescens, venis fuscis. Mas.—Abdomen incisuris albis. Fœm.—Antennæ basi et abdominis segmenta testacea.

Dasygogon aurifrons, Macq. Expl. Scient. Alg. iii. Ins. 434, 54, pl. 2, f. 4.

Algeria.

226. DASYPOGON RUBRIVENTRIS.

Mas et Fœm. *Niger, rufo pilosus; mystax albus; antennæ testaceæ; abdomen angustum, rubrum, maculis dorsalibus nigris; pedes testacei, postici femoribus intus nigricantibus; alæ cinereo-flavescentes.*

Dasygogon rubriventris, Macq. *Expl. Scient. Alg.* iii. *Ins.* 437, 62, pl. 2, f. 3.

Algeria.

227. DASYPOGON NITIDUS.

Niger, nitidus; mystax albus; pedes albo pilosi; alæ subcinereæ; halteres albidî.

Dasygogon nitidus, Macq. *Expl. Scient. Alg.* iii. *Ins.* 438, 65.

Algeria.

228. DASYPOGON PUSIO.

Ater, nitidus; mystax albus; abdomen punctis lateralibus albis alæ limpide; halteres flavido-albi.

Dasygogon pusio, Macq. *Expl. Scient. Alg.* iii. *Ins.* 438, 66.

Algeria.

229. DASYPOGON SCAPULARIS.

Mas. *Niger; thorax fusco vittatus; scapulæ, anus pedesque testaceæ; femora supra nigricantia; alæ rubhyalinæ.*

Dasygogon scapularis, Macq. *Dipt. Exot.* i. 2, 44, 25.

Cape.

230. DASYPOGON PYGMÆUS.

Mas et Fœm. *Fuscus, tenuis; antennæ rufæ; thorax vittis rufescentibus; pedes rufi, albo pilosi; alæ limpide; halteres albidî.*

Dasygogon pygmæus, Macq. *Expl. Scient. Alg.* iii. *Ins.* 437, 63, pl. 2, f. 6.

Algeria.

231. DASYPOGON HETERONEURUS.

Fœm. *Cinereus*; *facies mystaxque albida*; *antennæ testacea*; *abdomine elongatum*; *alæ subflavescentes*; *vena externo-media 1a venæ cubitalis ramo postico longe ante marginem connexa*; *venæ externo-mediae 3a et 4a petiolo unico terminatæ*.

Dasypongon heteroneurus, *Macq. Dipt. Exot.* i. 2, 41, 19, pl. 3, f. 7;
Expl. Scient. Alg. iii. *Ins.* 436, 59.

Algeria.

Div. — ?

A. Alæ fuscæ.

A. Thorax niger. - - - - - mœrens, *Wied.*

B. Thorax canus, vittis nigris. - - - Reinhardi, *Wied.*

C. Thorax fuscus.

A. Thorax vittatus. - - - - - caffer, *Wied.*

B. Thorax non vittatus. - - - hispidus, *Wied.*

D. Thorax rubidus.

A. Alæ infumatæ. - - - - - fuscipennis, *Wied.*

B. Alæ basi flavæ. - - - - - aulicus, *Wied.*

B. Alæ rufescentes aut flavæ.

A. Pedes nigro-fusci. - - - - - atratus, *Fabr.*

B. Pedes nigri, tibiis fulvis. - - - ruficauda, *Fabr.*

C. Pedes rubidi aut fulvi.

A. Antennæ nigræ. - - - - - setosus, *Wied.*

B. Antennæ pallidæ.

a. Abdomen incisuris fulvis. - - - limbatus, *Fabr.*

b. Abdomen totum nigrum. - - - tragicus, *Wied.*

C. Alæ subcineræ aut limpidæ.

A. Thorax niger.

A. Abdomen nigrum, apice ferrugineum.
hæmorrhoidalis, *Fabr.*

B. Abdomen rubidum, maculis lateralibus nigris.

vestitus, *Wied.*

C. Abdomen rubidum, fasciis albis. - - - Rüppellii, *Wied.*

B. Thorax fuscus, vittis albis. - - - striatus, *Fabr.*

232. DASYPOGON MÆRENS.

Mas. *Niger*; *abdomen basi pedesque ferruginosa*; *alæ fusæ*.

Dasytrogon mærens, *Wied. Auss. Zweifl.* i. 399, 53.

Sierra Leone.

232. DASYPOGON REINHARDI.

Fœm. *Niger*; *thorax canus, nigro vittatus*; *abdomen basi album, utrinque maculis testaceis*; *alæ fusæ*.

Dasytrogon Reinhardi, *Wied. Auss. Zweifl.* i. 401, 57.

Guinea.

234. DASYPOGON CAFFER.

Mas. *Fuscus*; *thorax vittis olivaceo-fuscis*; *abdomen nigrum, cano fasciatum*; *alæ fuscescentes*.

Dasytrogon caffer, *Wied. Auss. Zweifl.* i. 394, 44.

South Africa.

235. DASYPOGON HISPIDUS.

Mas. *Fuscus*; *mystax nigro-fuscus*; *abdomen canum*; *femora nigra*; *alæ subfuscescentes*.

Dasytrogon hispidus, *Wied. Auss. Zweifl.* i. 398, 50.

Cape.

236. DASYPOGON FUSCIPENNIS.

Mas. *Badio-rubidus*; *thorax vittis nigris*; *abdomen apice nigrum*; *alæ infumate*.

Dasytrogon fuscipennis, *Wied. Dipt. Exot.* i. 227, 24; *Auss. Zweifl.* i. 399, 52.

Cape.

237. DASYPOGON AULICUS.

Mas et Fœm. *Ferruginosus* ; thorax vittis tribus nigris limboque orichalceo ; abdomen maculis nigris ; alæ fuscæ basi flave.

Dasygogon aulicus, Wied. *Auss. Zweifl.* i. 379, 21. *Macq. Dipt. Exot.* i. 2, 34, 3, pl. 3, f. 5.

South Africa.

238. DASYPOGON ATRATUS.

Niger ; caput et thorax cinerascens hirsuta ; pedes nigro-fusci ; alæ flavescens ; halteres fulvi.

Asilus atratus, Fabr. *Ent. Syst.* iv. 380, 19. *Meig. Klass. Zweifl.* i. 266, d.

Dasygogon atratus, Fabr. *Syst. Antl.* 165, 4. *Meig. Zweifl.* ii. 262, 6.

Barbary.

239. DASYPOGON RUFICAUDA.

Cinereus, hirtus ; thorax nigro bilineatus ; abdomen apice fulvum ; tibiæ fulvæ ; alæ ferruginæ.

Laphria ruficauda, Fabr. *Syst. Antl.* 161, 22.

Dasygogon ruficauda, Meig. *Zweifl.* ii. 284, 43.

Morocco.

240. DASYPOGON SETOSUS.

Mas. *Nigellus* ; thorax vittis obsoletissimis ; abdomen cæsiobalbescens ; pedes rubidi ; alæ subrufescentes.

Dasygogon setosus, Wied. *Anal. Entom.* 26, 24 ; *Auss. Zweifl.* i. 394, 45.

Cape.

241. DASYPOGON LIMBATUS.

Nigricans; antennæ, thoracis limbus, abdominis incisuræ pedesque fulvæ; femora postica apice nigro maculata; alæ fulvæ.

Asilus limbatus, *Fabr. Ent. Syst.* iv. 382, 26. *Meig. Klass. Zweifl.* i. 267, g.

Dasygogon limbatus, *Fabr. Syst. Antl.* 165, 7. *Coqueb. Ill. Icon.* 113, pl. 25, f. 10. *Meig. Zweifl.* ii. 283, 41. *Wied. Dipt. Exot.* i. 224, 18; *Auss. Zweifl.* i. 395, 46.

Barbary.

242. DASYPOGON TRAGICUS.

Ater; antennæ pedesque rubidæ; thorax utrinque rubidus, orichalceo micans; abdomen scoriaceo nigrum; alæ flavæ, apice subcinereæ.

Dasygogon tragicus, *Wied. Auss. Zweifl.* i. 400, 55.

South Africa.

243. DASYPOGON HÆMORRHOIDALIS.

Fœm. Niger; abdomen lineolis lateralibus albis, apice ferrugineum; pedes ferruginei, tarsi nigris; alæ subcinereæ.

Asilus hæmorrhoidalis, *Fabr. Ent. Syst.* iv. 389, 58. *Coqueb. Ill. Icon.* 118, pl. 26, f. 11.

Dioctria hæmorrhoidalis, *Fabr. Syst. Antl.* 151, 8.

Dasygogon hæmorrhoidalis, *Wied. Auss. Zweifl.* i. 407, 66. *Macq. Expl. Scient. Alg.* iii. *Ins.* 438, 64.

Barbary.

244. DASYPOGON VESTITUS.

Niger; abdomen rubidum, utrinque maculis nigris; pedes rubidi, genubus posticis nigris; alæ limpideæ.

Dasygogon vestitus, *Wied. Auss. Zweifl.* i. 406, 65.

Nubia.

245. DASYPOGON RUPPELII.

Rubidus; facies albo hirta; thorax nigellus, cano hirtus; abdomen albo fasciatum; alæ limpidae.

Dasygogon Rüppelii, Wied. *Auss. Zweifl.* i. 4, 569, 57.

Nubia.

246. DASYPOGON STRIATUS.

Fuscus, hirtus; thorax fuscus, albo lineatus; abdomen fulvum, fusco bilineatum, lateribus albis; pedes fulvi.

Asilus striatus, Fabr. *Ent. Syst.* iv. 387, 49. Meig. *Klass. Zweifl.* i. 2690.

Dasygogon striatus, Fabr. *Syst. Antl.* 167, 16. Meig. *Zweifl.* ii. 283, 42.

Barbary.

Madagascar.

Group 1.

Microstylum, Macq. See pp. 451, 452.

247. DASYPOGON CILIPES.

Fœm. *Fuscanus; facies argentea; abdomen maculis lateralibus albis; pedes breves ciliati; alæ fuscæ.*

Microstylum cilipes, Macq. *Dipt. Exot.* i. 2, 28, 4, pl. 2, f. 5.

248. DASYPOGON APPENDICULATUS.

Fœm. *Rubidus; facies et barba albæ; mystax niger; thorax vittis fuscis; abdomen nigrum, incisuris lateribusque albis; pedes testacei; alæ cineræ.*

Microstylum appendiculatum, Macq. *Dipt. Exot. Suppl.* 2, 33, 14.

Asia.

Div. I. Tibiæ anticæ apice calcaratæ.

Group 1.

Mas. Corpus gracile, mediocre, fere nudum. Caput thorace paullo latius; frons et facies planæ. Mystax setis duabus apud peristoma exceptis nullus. Antennæ mediocriter longæ; articulus 1us et 2us subæquales; 3us fusiformis, 1o et 2o conjunctim paullo brevior. Prothorax conicus, attenuatus. Abdomen dimidio basali subcontractum. Sexualia parva. Pedes sat validi, setis paucis armati; ungues et onychia parva; tibiæ anticæ calcaribus minimis.

Eyes convex, except a small part in front, which is composed of larger facets than those elsewhere. Forks of the cubital vein nearly straight, their base opposite the end of the discal areolet. First and second externo-medial veins proceeding direct to the border; third and fourth slightly inclined towards each other, but at some distance apart on the border; subanal and anal almost connected on the border.

Nearly allied to Group 4, p. 30.

A. Pedes rufi aut fulvi.

A. Pedes nigro varii. - - - - - Volcatus, Walk.

B. Pedes non nigro varii.

A. Tarsi picei. - - - - - Hypsaon, Walk.

B. Tarsi fulvi. - - - - - Cerco, Walk.

249. DASYPOGON VOLCATUS.

Dasypogon Volcatus, *Cat. of Diptera*, 2, 346.

250. DASYPOGON HYPSAON.

Dasypogon Hypsaon, *Cat. of Diptera*, 2, 348.

a. North China. From Mr. Fortune's collection.

251. DASYPOGON CERCO.

Dasypogon Cerco, *Cat. of Diptera*, 2, 349.

Group 2.

Corpus sat magnum, validiusculum, fere nudum. Caput thorace vix angustius; facies subconvexa, parce pilosa. *Mystax* pilis apud peristoma sat densis, setis nullis. Antennæ mediocriter longæ; articulus 1us 2o triplo longior; 3us linearis, apice acuminatus, 1o et 2o conjunctim fere duplo longior. Prothorax crassus. Abdomen subcylindricum, basim versus subcontractum. Sexualia parva. Pedes sat validi, parce setosi; ungues et onychia mediocria; tibis anticæ calcaribus sat magnis.

Eyes convex, except a very small part in front, which is composed of larger facets than those elsewhere. Fork of the cubital vein nearly straight, their base a little nearer than the end of the discal areolet to the tip of the wing. First and second external veins proceeding direct to the border; third inclined to the fourth, but widely apart from it on the border; subanal and anal very near together on the border.

252. DASYPOGON SUBAURATUS.

Fœm. Aureo tomentosa; antennæ abdomen et pedes fulvi; thorax vittis quatuor nigro-cinereis, intermediis angustis externis latis; abdomen basi nigrum apice testaceum, maculis lateralibus testaceis et nigris; alæ subcinereæ, apud costam luridæ.

Fem. Head and thorax with gilded tomentum. Head clothed behind with black hairs; vertex, proboscis and palpi black. Antennæ tawny. Thorax with four blackish gray stripes; inner pair long and narrow; outer pair short and broad. Abdomen tawny, black at the base, and with large black spots along each side, testaceous at the tip, and with small testaceous spots along each side. Legs tawny; coxæ with gilded tomentum; ungues black; onychia testaceous. Wings grayish, with a lurid tinge along the costa; veins black, tawny in front and towards the base. Halteres testaceous. Length of the body $7\frac{1}{2}$ lines; of the wings 15 lines.

a. North China. From Mr. Fortune's collection.

Div. II. Tibiæ anticæ non calcaratæ.

Group 1.

Megapollyon, *Insecta Saundersiana*, Pt. 2, 85.

See p. 452.

- A. Thorax flavidus. - - - - - Spectrum, *Wied.*
- B. Thorax niger.
 - A. Abdomen nigrum, aut fuscum.
 - A. Alæ nigro-cyanæ. - - - - - Vica, *Walk.*
 - B. Alæ nigricantes. - - - - - Polygnotus, *Walk.*
 - B. Abdomen rufum.
 - A. Thorax totus niger. - - - - - Rhypæ, *Walk.*
 - B. Thorax albo vittatus. - - - - - Otacilius, *Walk.*
 - C. Abdomen apice rufum.
 - A. Thorax totus niger. - - - - - Balbillus, *Walk.*
 - B. Thorax albo vittatus. - - - - - Sura, *Walk.*
 - D. Abdomen rufum, apice nigrum. - - - - - Libo, *Walk.*
 - C. Thorax niger, fulvo pilosus. - - - - - apiformis, *Walk.*
 - D. Thorax niger, vittis quatuor pallidis.
 - A. Pedes rufi. - - - - - imbutus, *Walk.*
 - B. Pedes nigri. - - - - - trimelas, *Walk.*
 - E. Thorax canus, vittis obscurioribus. - - - - - apicalis, *Macq.*

253. DASYPOGON SPECTRUM.

Flavidus; antennæ apice ferruginæ; pedes ferruginei, genubus nigris; alæ flavescentes, venis ferrugineis.

Dasypon Spectrum, *Wied.*Laphria Spalumus, *Cat. of Diptera*, Pt. 2, 371.

a. North China. From Mr. Fortune's collection.

Var. ? *Antennæ nigre, apice testaceæ; abdomen testaceum, incisuris nigris; tibiæ intermediæ calcaratæ; alæ flavæ.* Long. 13—14 lin.

Dasypon dux, *Wied. Auss. Zweifl.* i. 568, 55.Microstylum sinense, *Macq. Dipt. Exot.* i. 2, 29, 7, pl. 2, f. 3.

China. Manilla.

254. DASYPOGON VICA.

Dasygogon Vica, *Cat. of Diptera*, 2, 304.

a. Silhet. From Mr. Stevens' collection.

255. DASYPOGON POLYGNOTUS.

Dasygogon Polygnotus, *Cat. of Diptera*, 2, 305.

256. DASYPOGON RHYPÆ.

Dasygogon Rhypæ, *Cat. of Diptera*, 2, 303.

257. DASYPOGON OTACILIUS.

Dasygogon Otacilius, *Cat. of Diptera*, 2, 344.

258. DASYPOGON BALBILLUS.

Dasygogon Balbillus, *Cat. of Diptera*, 2, 307.

259. DASYPOGON SUBA.

Dasygogon Sura, *Cat. of Diptera*, 2, 345.

260. DASYPOGON LIBO.

Dasygogon Libo, *Cat. of Diptera*, 2, 342.

261. DASYPOGON APIFORMIS.

Dasygogon apiformis, *Diptera Saundersiana*, Pt. 2, 97.
East Indies.

262. DASYPOGON IMBUTUS.

Dasygogon imbutus, *Diptera Saundersiana*, Pt. 2, 96.
East Indies.

263. DASYPOGON TRIMELAS.

Dasygogon trimelas, *Diptera Saundersiana*, Pt. 2, 97.
East Indies.

264. DASYPOGON APICALIS.

Mas. *Canus*; *antennæ nigrae*; *thorax vittis obscurioribus*; *abdomen basi nigrum albo fasciatum, apice rubiginosum*; *pedes rufescentes nigro varii*; *alæ flavescentes*.

Dasygogon apicalis, *Wied. Dipt. Exot.* i. 216, 4; *Auss. Zweifl.* i. 372, 10, pl. 6, f. 4.

Microstylum apicale, *Macq. Dipt. Exot.* i. 2, 29, 6.
Bengal.

Group 3.

See group 2, p. 455.

A. *Thorax ferrugineus aut fulvus.*

A. *Abdomen ferrugineum, apice piceum.* - *Ambryon*, *Walk.*

B. *Abdomen rufum.* - - - - *Damias*, *Walk.*

B. *Thorax cinereo-fuscus.* - - - - *Imbrex*, *Walk.*

C. *Thorax fulvus.* - - - - *pulverifer*, *Walk.*

D. *Thorax niger.*

A. *Thorax fulvo hirtus.* - - - - *Aphrices*, *Walk.*

B. *Thorax cano hirtus.* - - - - *Echelus*, *Walk.*

265. DASYPOGON AMBRYON.

Dasygogon Ambryon, *Cat. of Diptera*, 2, 311.

266. DASYPOGON DAMIAS.

Dasygogon Damias, *Cat. of Diptera*, 2, 313.

267. DASYPOGON IMBREX

Dasygogon Imbrex, *Cat. of Diptera*, 2, 315.

268. DASYPOGON PULVERIFER.

Dasygogon pulverifer, *Diptera Saundersiana*, Pt. 2, 98.
East Indies.

269. DASYPOGON APHRICES.

Dasygogon Aphrises, *Cat. of Diptera*, 2, 314.

270. DASYPOGON ECHELUS.

Dasygogon Echelus, *Cat. of Diptera*, 2, 314.

Group 4. Cyrtogogon, Loew.

271. DASYPOGON LAPHRIDES.

Cyrtogogon laphrides, *Diptera Saundersiana*, Pt. 2, 99, pl. 3, f. 7.
East Indies.

Group 5.

Fœm. Corpus mediocre, dense hirtum. Caput thoracis latitudine. Facies convexa. Mystax dense setosus usque ad antennis ascendens. Antennæ sat longæ; articulus 1us linearis, 2o plus duplo longior; 3us linearis, arista valida terminatus, 1o et 2o conjunctim fere duplo longior. Abdomen subcompressum. Alæ apud costæ dimidium basale subincrassatæ.

Forks of the cubital vein nearly straight, their base much nearer than the end of the discal areolet to the tip of the wing. First, second, third and fourth externo-medial veins proceeding direct to the border; subanal inclined to the anal, and near to it on the border. Discal areolet pentagonal, rather long and narrow.

This group seems to be one of the links which connect the *Dasygogonites* with the *Asilites*.

272. DASYPOGON SCATOPHAGOIDES.

Mas. *Niger, testaceo hirtus; caput albido tomentosum, nigro setosum; thorax fusco tomentosus, nigro cristatus; tibiæ rufæ; alæ cinereo-fuscescentes.*

Black. Head with whitish tomentum, thickly beset with black bristles, thickly clothed beneath with testaceous hairs. Thorax with brown tomentum, with a ridge of black bristles, and on each side with black hairs. Scutellum with black and tawny bristles. Abdomen compressed, thickly clothed with testaceous hairs, and beneath with black hairs. Legs stout, with black and tawny hairs; tibiae red, with black tips. Wings brownish; disk of the areolet brown; veins black, reddish towards the base. Halteres red. Length of the body 5 lines; of the wings 10 lines.

East Indies. From Mr. Stevens' collection.

Group — ?

. Alæ fuscæ.

- | | | |
|-------------------------------------|-----------|--------------------|
| A. Thorax niger. | - - - - - | albonotatus, Wied. |
| B. Thorax fuscus. | - - - - - | nigricauda, Wied. |
| C. Thorax olivaceus. | - - - - - | virens, Wied. |
| D. Thorax cinereus, fasciis nigris. | - - - - - | arabicus, Macq. |
| Alæ flavescentes. | - - - - - | dorsalis, Wied. |

273. DASYPOGON ALBONOTATUS.

Fœm. *Niger; abdomen utrinque maculis quatuor transversis albis; alæ medio infumatæ.*

octria albonotata, Wied. *Dipt. Exot.* i. 181, 5.

Dasypogon albonotatus, Wied. *Auss. Zweifl.* i. 402, 58.

Angal.

274. DASYPOGON NIGRICAUDA.

Mas. *Fuscus; abdomen basi albidum, incisuris apiceque atris; alæ fuscæ, apice sublimpidæ.*

Dasypogon nigricauda, Wied. *Anal. Entom.* 26, 23; *Auss. Zweifl.* i. 377, 17.

East Indies.

275. *DASYPOGON VIRENS*.

Fœm. *Fuscato-flavidus*; *thorax olivaceus*; *alæ cinereo-fusce*.

Dasygogon virens, *Wied. Auss. Zweifl.* i. 398, 51.

Java.

276. *DASYPOGON ARABICUS*.

Thorax fasciis nigris, cinereo limbatis; abdomen fusco-testaceum, albido maculatum; alæ fuscæ, venæ cubitalis ramus posticus vena externo-media ante marginem conjunctus; vena externo-medie 3a et 4a connexæ.

Dasygogon arabicus, *Macq. Dipt. Exot.* ii. 1, 43, 24.

Arabia.

277. *DASYPOGON DORSALIS*.

Cinerascens; scutellum album; abdomen nigrum, segmentis 3o, 4o et 6o maculis trigonis albis; alæ vix flavescentes.

Dasygogon dorsalis, *Wied. Auss. Zweifl.* i. 413, 77.

East Indies.

Australia.

Div. 1. Tibiæ anticæ apice calcaratæ.

Group 1.

Corpus elongatum, robustum, vix setosum. Caput thorace vix angustius. Facies vix convexa. Mystax setis nonnullis apud epistoma. Antennæ longiusculæ, filiformes; articulus 2us 1o paulo brevior; 3us sublinearis, 1o et 2o conjunctim paulo longior; aristæ vix ulla. Abdomen apice setosum. Pedes robusti, setosi.

Allied to *Microstylum*. Forks of the cubital vein slightly diverging from each other, their base opposite the end of the discal areolet. First and second externo-medial veins proceeding straight to the border; first curved forward, when it leaves the discal areolet; third much inclined to the fourth, but at some little distance from it on the border. Subanal and anal near each other on the border.

278. DASYPOGON SALINATOR.

Dasygogon Salinator, *Cat. of Diptera*, 2, 325.

Group 2.

Mas. Corpus mediocre, gracile, elongatum, parce hirtum, vix setosum. Caput thorace vix angustius. Facies plana. Mystax setis nonnullis apud epistoma. Antennæ longiusculæ; articulus 1^{us} 2o duplo longior; 3^{us} longissime fusiformis, 1o et 2o conjunctum longior; arista brevissima. Abdomen apud medium subcontractum. Pedes robusti setosi; ungues et onychia elongata.

Forks of the cubital vein nearly straight, their base much nearer than the end of the discal areolet to the tip of the wing. First and second externo-medial veins proceeding from a short common petiole, which is emitted from the end of the discal areolet; third slightly inclined to the fourth, but far from it on the border; subanal rather near to the anal on the border.

279. DASYPOGON SERGIUS.

Dasygogon Sergius, *Cat. of Diptera*, 2, 347.

Group 3.

Fæm. Corpus majusculum, validum, sublineare, subpilosum, non setosum. Caput thorace paullo angustius. Facies plana. Mystax apud epistoma dense setosus. Abdomen subcylindricum. Pedes robusti, setosi.

Forks of the cubital vein curved slightly from each other, their base much nearer than the end of the discal areolet to the tip of the wing. First and second externo-medial veins proceeding nearly straight to the border; third slightly inclined towards the fourth, but far from it on the border. Subanal and anal very near each other on the border.

280. DASYPOGON SPINTHER.

Dasygogon Spintner, Cat. of Diptera, 2, 337.

Group 4. *Dasygogon*, Loew.

281. DASYPOGON CARBO.

Dasygogon Carbo, Diptera Saundersiana, Pt. 2, 87.
New Holland.

Group — ?

A. Alæ violaceo-nigræ.	-	-	-	-	nigripennis, Macq.
B. Alæ rufescentes.					
A. Albo punctatus.	-	-	-	-	albopunctatus, Macq.
B. Albo non punctatus.	-	-	-	-	nitidus, Macq.
C. Alæ fulvæ.	-	-	-	-	princeps, Macq.
D. Alæ hyalinæ.					
A. Thorax niger.	-	-	-	-	limbipennis, Macq.
B. Thorax fulvus.	-	-	-	-	albonotatus, Macq.

282. DASYPOGON NIGRIPENNIS.

Mas. *Niger*; *facies alba*; *alæ violaceo-nigræ*.

Dasygogon nigripennis, Macq. Dipt. Exot. Suppl. 3, 20, 58, pl. 1, f. 10.

New Holland.

283. DASYPOGON ALBOPUNCTATUS.

Fœm. *Testaceus, albo punctatus, mystax flavidus; thorax tomentosus; abdomen basi segmentoque 4o nigris; alæ rufescentes.*

Dasygogon albopunctatus, Macq. Dipt. Exot. Suppl. i. 65, 44, pl. 6, f. 7.

New Holland.

284. DASYPOGON NITIDUS.

Gracilis, nitidus, testaceus; mystax flavidus; thorax vittis fuscis; abdominis segmenta anteriora vittis lateralibus nigris; alæ rufescentes.

Dasygogon nitidus (nomen bis lectum), *Macq. Dipt. Exot. Suppl.* 1, 61, 35.

Tasmania.

285. DASYPOGON PRINCEPS.

Fulvus; thorax vittis nigris; abdomen fasciis nigris; alæ fulvæ.

Dasygogon princeps, *Macq. Dipt. Exot. Suppl.* 3, 19, 57, pl. 1, f. 14.
New Holland.

286. DASYPOGON LIMBIPENNIS.

Fœm. Niger, mystax cinereus; scutellum testaceum; tibiæ basi albidæ; alæ hyalinæ, costâ fusca.

Dasygogon limbipennis, *Macq. Dipt. Exot. Suppl.* i. 62, 33, pl. 7, f. 8.

Tasmania. Sidney Isle.

287. DASYPOGON ALBONOTATUS.

Mas. Fulvus; thorax fuscato vittatus; abdomen nigrum, lateribus albo maculatis; alæ hyalinæ.

Dasygogon albonotatus, *Macq. Dipt. Exot. Suppl.* 2, 33, 52.

Tasmania.

Div. II. Tibiæ anticæ non calcaratæ.

Group 1.

Corpus angustum, hirtum. Caput thorace paullo angustius; tarsi plana, pilosa. Mystax sat dense hirtus. Antennæ sat longæ;

articulus 1us linearis, 2o multo longior; 2us subclavatus; 3us lanceolatus; arista brevissima. Thorax subcompressus. Abdomen longum, compressum, apice spinis armatum. Pedes robusti, hiri et spinosi; ungues et onychia mediocria.

Forks of the cubital vein nearer at the base than the end of the discal areolet to the tip of the wing; fore fork slightly undulating; hind fork nearly straight. First and second external veins proceeding almost directly to the border; third much bent towards the fourth, and near it on the border; subanal in contact with the fourth on the border.

- | | | |
|----------------------------------|-----------|------------------|
| A. Alæ subfusæ. | - - - - - | Aoris, Walk. |
| B. Alæ ex parte fulvæ. | | |
| A. Alæ ad costam fulvæ. | | |
| a. Alæ ex parte subcineræ. | - - - - - | Digentia, Walk. |
| b. Alæ ex parte limpidæ. | - - - - - | Agave, Walk. |
| B. Alæ ad costam subcineræ. | - - - - - | Lanatus, Walk. |
| C. Alæ limpidæ, apice subfusæ. | - - - - - | Pedanus, Walk. |
| D. Alæ limpidæ, apice subcineræ. | - - - - - | Nicoteles, Walk. |
| E. Alæ omnino limpidæ. | - - - - - | Thalpius, Walk. |

288. DASYPOGON AORIS.

Dasygogon Aoris, *Cat. of Diptera*, 2, 321.

289. DASYPOGON DIGENTIA.

Dasygogon Digentia, *Cat. of Diptera*, 2, 316.

290. DASYPOGON AGAVE.

Dasygogon Agave, *Cat. of Diptera*, 2, 317.

291. DASYPOGON LANATUS.

Dasygogon Lanatus, *Cat. of Diptera*, 2, 318.

a. Van Dieman's Land. Presented by Morton Allport, Esq.

292. DASYPOGON PEDANUS.

Dasygogon Pedanus, *Cat. of Diptera*, 2, 320.

293. DASYPOGON NICOTELES.

Dasygogon Nicoteles, *Cat. of Diptera*, 2, 320.

294. DASYPOGON THALPIUS.

Dasygogon Thalpius, *Cat. of Diptera*, 2, 317.

Group 2.

Corpus validum, elongatum, parce setosum. Facies subconvexa, dense hirta. Mystax setis nonnullis apud epistoma. Abdomen alis multo longius. Pedes robusti, valde setosi.

Forks of the cubital vein a little nearer at the base than the end of the discal areolet to the tip of the wing; fore fork slightly curved forward; hind fork almost straight; first, second and fourth externo-medial veins almost straight; third forming an acute angle at its flexure to the fourth, which it joins far from the border. Subanal joined to the anal at some distance from the border.

295. DASYPOGON BÆBIUS.

Dasygogon Bæbius, *Cat. of Diptera*, 2, 333.*Dasygogon plumbeus*, *Fabr.*?

NOTE.—*D. plumbeus* is cited, by mistake, as the name of the species preceding *D. Bæbius* in the above-mentioned Catalogue.

Group —?

A. Thorax niger. Alæ flavescentes.

A. Alæ antice infumatae. - - - australis, *Macq.*

B. Alæ apice subfuscæ.

A. Abdomen subfuscum cinereum. - - brachypterus, *Macq.*B. Abdomen apice testaceum. - - elongatus, *Macq.*B. Thorax testaceus. - - - testaceus, *Macq.*

296. DASYPOGON AUSTRALIS.

Fœm. *Niger*; *abdominis segmenta marginibus posticis pallidis*;
pedes testacei; *alæ antice infumatæ, postice flavescentes*.

Dasygogon australis, *Macq. Dipt. Exot.* i. 2, 45, 27.
 New Holland.

297. DASYPOGON BRACHYPTERUS.

Fœm. *Niger*; *abdomen subtus cinereum, femora tibiæque subtus*
rubra; *alæ parvæ, subflavæ, apice subfuscæ*.

Dasygogon brachypterus, *Macq. Dipt. Exot.* i. 2, 44, 26, pl. 3,
 f. 3.
 New Holland.

298. DASYPOGON ELONGATUS.

Elongatus, niger; *mystax aureus*; *abdomen angustum, apice tes-*
taceum; *pedes testacei*; *alæ subflavescentes, apice subfuscæ*.

Dasygogon elongatus, *Macq. Dipt. Exot. Suppl.* i. 66, 45, pl. 7, f. 6
 New Holland. Sidney Island.

299. DASYPOGON TESTACEUS.

Fœm. *Testaceus*; *thorax vittis fuscis*; *mystax albidus*; *abdo-*
men nigrum, apice testaceum; *pedes nigri, femoribus testaceis*;
alæ flavidæ.

Microstylum testaceum, *Macq. Dipt. Exot. Suppl.* i. 60, 13.
 New Holland.

New Zealand.

Div. I. Tibiæ anticæ apice calcaratæ.

Group 1.

Corpus mediocre, sat gracile. Caput et thorax setis paucis.
 Facies plana. Mystax setis nonnullis apud epistoma. Antennæ

at longæ; articulus 1us 2o longior; 3us fusiformis, arista brevi terminatus, 1o et 2o conjunctum vix brevior. Abdomen fere nudum, is non longius. Pedes validi, setosi.

Forks of the cubital vein nearly straight, slightly diverging from each other, their base a little nearer than the end of the discal areolet to the tip of the wing. Four externo-medial veins separate, nearly straight. Subanal vein near the anal at its tip.

300. DASYPOGON VIDUUS.

Dasygogon viduus, *Cat. of Diptera*, 2, 354.

Group 2.

Corpus mediocre, sublineare, fere nudum. Caput thorace paulo angustius. Facies plana, nuda. Mystax setis paucis apud oistoma. Antennæ longæ; articulus 1us 2o longior; 3us subnearis, arista brevissima, 1o et 2o conjunctim paulo longior. Pedes validi, setis brevissimis.

Forks of the veins nearly straight, slightly diverging from each other, their base a little nearer than the end of the discal areolet to the tip of the wing. Four externo-medial veins separate, nearly straight. Subanal vein united to the anal at its tip.

301. DASYPOGON DISCUS.

Dasygogon Discus, *White, Zool. Voy. Erebus and Terror. Cat. of Diptera*, 2, 356.

Sandwich Islands.

Group 1.

Megapollyon, *Diptera Saunderniana*, Pt. 2, 85. See p. 452.

302. DASYPOGON SCYTHON.

Dasygogon Scythion, *Cat. of Diptera*, 2, 365.

Country unknown.

Div. I. Tibiæ anticæ apice calcaratæ.

Group 1.

See group 1, page 476.

- A. Alæ limpidæ. - - - - - Fossius, *W*
 B. Alæ subfulvæ. - - - - - spectans, *W*

303. DASYPOGON FOSSIUS.

Dasypogon Fossius, *Cat. of Diptera*, Pt. 2, 366.

304. DASYPOGON SPECTANS.

Dasypogon spectans, *Diptera Saundersiana*, Pt. 2, 88.

Group 2.

See page 430.

A. Alæ fulvæ aut fulvo strigatæ.

A. Thorax non vittatus.

- A. Thorax flavo-fuscus. - - - - - Copreus, *W*
 B. Thoracis discus niger. - - - - - festinans, *W*
 b. Femora ferruginea.

B. Thorax vittatus.

- A. Thorax niger, vittis duabus ferrugineis. - - - - - occidens, *W*
 B. Thorax fuscus, vittis duabus ferrugineis. - - - - - Silanus, *W*
 C. Thorax ferrugineus, vittis quatuor nigris. - - - - - Carvilius, *W*
 D. Thorax flavus, vittis quatuor piceis. - - - - - inserens, *W*
 E. Thorax ferrugineus, vittis tribus nigris. - - - - - Allia, *W*
 F. Thorax fulvus, vittis tribus nigris. - - - - - Carus, *W*
 G. Thorax ferrugineus, vittis tribus piceis. - - - - - Volcatius, *W*
 H. Thorax fulvus, vittis tribus piceis, ferrugineo marginatis. - - - - - Potitus, *W*

B. Alæ limpidæ.**A. Thorax vittis quinque nigris.** - - - *Anemetus, Walk.***B. Thorax vittis tribus nigris.** - - - *Phalna, Walk.***C. Thorax vittis tribus piceis.****A. Abdomen ferrugineum, maculis nigris, fasciisque fulvis.**
*Cerretanus, Walk.***B. Abdomen piceum, fasciis ferrugineis lateribusque fulvis.**
*Ægon, Walk.***305. DASYPOGON COPREUS.***Dasypogon Copeus, Cat. of Diptera, Pt. 2, 326.***306. DASYPOGON FESTINANS.***Dasypogon festinans, Diptera Saundersiana, Pt. 2, 92.***307. DASYPOGON OCCIDENS.***Dasypogon occidens, Diptera Saundersiana, Pt. 2, 91.***308. DASYPOGON SILANUS.***Dasypogon Silanus, Cat. of Diptera, Pt. 2, 326.***309. DASYPOGON CARVILIUS.***Dasypogon Carvilius, Cat. of Diptera, Pt. 2, 341.***310. DASYPOGON INSERENS.***Dasypogon inserens, Diptera Saundersiana, Pt. 2, 91.*

311. DASYPOGON VOLCATIUS.

Dasypogon Volcatius, *Cat. of Diptera*, 2, 336.

312. DASYPOGON POTITUS.

Dasypogon Potitus, *Cat. of Diptera*, 2, 327.

313. DASYPOGON ANEMETUS.

Dasypogon Anemetus, *Cat. of Diptera*, 2, 330.

314. DASYPOGON PHALNA.

Dasypogon Phalna, *Cat. of Diptera*, 2, 331.

315. DASYPOGON CERRETANUS.

Dasypogon Cerretanus, *Cat. of Diptera*, 2, 328.

316. DASYPOGON ÆGON.

Dasypogon Ægon, *Cat. of Diptera*, Pt. 2, 329.

Group 3.

See page 469.

317. DASYPOGON ACRATUS.

Dasypogon Acratus, *Cat. of Diptera*, Pt. 2, 349.

318. DASYPOGON GARAMAS.

Dasypogon Garamas, *Cat. of Diptera*, 2, 346.

Group 4.

See page 430.

319. DASYPOGON NUMICIUS.

Dasypogon Numicius, *Cat. of Diptera*, Pt. 2, 335.

320. DASYPOGON ALLIA.

Dasypogon Allia, *Cat. of Diptera*, Pt. 2, 334.

321. DASYPOGON CARUS.

Dasypogon Carus, *Cat. of Diptera*, Pt. 2, 334.

Group 5.

Corpus elongatum, fere nudum, setis nonnullis lateralibus. Facies plana. Mystax setis plurimis elongatis attenuatis. Pedes validi, setosi, breviusculi. Alæ abdomine breviores.

Fore fork of the cubital vein forming near its base a slightly obtuse angle, which emits a short branch, almost straight from thence to near its tip, where it is slightly curved forward; hind fork united to the first externo-medial near the border; first and second externo-medial veins straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal united to the anal near the border.

322. DASYPOGON MARICUS.

Dasypogon Maricus, *Cat. of Diptera*, Pt. 2, 350.

Group —?

A. Thorax niger.

A. Thorax fascia alba. - - - - luctuosus, *Macq.*B. Thorax fasciis quatuor fulvis. - - - - annulatus, *Macq.*B. Thorax fuscus. - - - - gracilis, *Macq.*

C. Thorax pallidus, vittis fuscis.

A. Abdomen fuscum. - - - - angustiventris, *Macq.*B. Abdomen nigrum, fasciis luteis. - - - - decorus, *Macq.*

323. DASYPOGON LUCTUOSUS.

*Niger; mystax albus; thorax albo fasciatus et maculatus; abdomen utrinque punctis quinque albis; alæ fuscae, linea alba.*Dasygogon luctuosus, *Macq. Dipt. Exot. i. 2, 39, 16.*Allied to D. albo-notatus, *Wied.*

324. DASYPOGON ANNULATUS.

*Fœm. Niger; thorax fulvo quadrivittatus; abdominis segmentis fulvo fasciata; pedes fulvi; alæ subcinereæ.*Dasygogon annulatus, *Macq. Dipt. Exot. i. 2, 38, 14,*

325. DASYPOGON GRACILIS.

*Fœm. Gracilis, niger; antennæ basi coarctatæ; thorax fuscus; abdomen nitidum; pedes fusco-fulvi; alæ rufescentes.*Dasygogon gracilis, *Macq. Dipt. Exot. i. 2, 39, 15, pl. 3, f. 4.*

326. DASYPOGON ANGUSTIVENTRIS.

*Mas. Flavids; mystax flavus; thorax vittis fuscis; abdomen angustum, elongatum, fuscum; pedes fulvi; alæ flavide, apice subfusce.*Dasygogon angustiventris, *Macq. Dipt. Exot. Suppl. 1, 65, 43, pl. 6, f. 9.*

327. DASYPOGON DECORUS.

Æm. Luteus; thorax fusco vittatus; abdomen nigrum, luteo fasciatum; pedes fulvi, femoribus posterioribus basi nigris; alæ fuscæ, fulvo bimaculatæ.

ypogon decorus, Macq. Dipt. Exot. i. 2, 40, 17, pl. 3, f. 1.

Div. II. Tibiæ anticæ non calcaratæ.

Group 1.

rostylum, Macq.

328. DASYPOGON APHIDAS.

ypogon Aphidas, Cat. of Diptera, Pt. 2, 306.

ar. ? Niger; abdomen fulvum; alæ fuscæ.

rostylum rufiventre, Macq. Dipt. Exot. i. 2, 31, 10.

Group 2.

Group of D. Scheno. See p. 455.

329. DASYPOGON AGATHYLLUS.

ypogon Agathyllus, Cat. of Diptera, Pt. 2, 319.

Group 3.

Discocephalæ affinis. Corpus fere nudum. Caput breve. Ies plana. Mystax setis quatuor apud epistoma. Proboscis raris, subarcuata. Pedes breves, graciles, parum setosi. Alæ sat ræ.

Fore fork of the cubital vein almost straight, slightly curved near each end; hind fork hardly undulating; first externo-medial vein undulating; second, third and fourth hardly undulating; third very remote from the fourth. Subanal joining the anal very far from the border.

330. DASYPOGON COON.

Dasypogon Coon, Cat. of Diptera, Pt. 2, 353.

Group 4.

Corpus validum. Caput subtus et thoracis latera dense hirta. Facies apud epistoma subconvexa. Mystax setis plurimis. Proboscis robusta, recta. Antennarum articulus 3us lanceolatus, vix stylatus. Alæ abdomine vix longiores.

Forks of the cubital vein rather short; fore fork much curved near its base, nearly straight from thence to its tip; hind fork slightly inclined towards the first externo-medial vein; first and second externo-medial veins almost straight; third inclined towards the fourth, but at some distance from it on the border. Subanal united to the anal on the border.

331. DASYPOGON BARRUS.

Dasypogon Barrus, Cat. of Diptera, Pt. 2, 353.

Group 5.

Corpus parvum, fere nudum. Facies fere plana. Mystax dense setosus. Proboscis longiuscula. Pedes validi, breviusculi, hirti, setosi. Alæ abdomine paullo breviores.

Forks of the cubital vein and the four externo-medial veins nearly straight; third externo-medial remote from the fourth. Subanal near the anal on the border.

332. DASYPOGON APHIDNUS.

Dasypogon Aphidnus, Cat. of Diptera, Pt. 2, 360.

Group — ?

. Alæ nigræ.	-	-	-	-	-	-	funebriis, <i>Macq.</i>
. Alæ fuscæ.	-	-	-	-	-	-	fuscipennis, <i>Macq.</i>
. Alæ hyalinæ.	-	-	-	-	-	-	claripennis, <i>Macq.</i>

333. DASYPOGON FUNEBRIS.

Mas. *Ater, gracilis*; *thorax albo lineatus*; *alæ nigræ, basi postice hyalinæ.*

Dasygogon funebris, Macq. Dipt. Exot. i. 2, 47, 32.

334. DASYPOGON FUSCIPENNIS.

Mas. *Niger*; *alæ fuscæ.*

Microstylum fuscipennis, Macq. Dipt. Exot. i. 2, 30, 9.

Dasygogon nigricauda, Var. ? Wied.

335. DASYPOGON CLARIPENNIS.

Fœm. *Niger*; *facies alba*; *mystax flavicans*; *alæ hyalinæ, venis externo-mediis 3a et 4a non connexis.*

Dasygogon claripennis, Macq. Dipt. Exot. i. 2, 47, 33.

Div. — ?

A. Thorax niger.

A. Alæ nigræ.	-	-	-	-	-	-	Nomada, <i>Wied.</i>
B. Alæ fuscæ.	-	-	-	-	-	-	lugubris, <i>Wied.</i>
C. Alæ flavescens, antice fuscæ.	-	-	-	-	-	-	Histrio, <i>Wied.</i>
D. Alæ limpidæ.	-	-	-	-	-	-	nitens, <i>Wied.</i>
3. Thorax canescens, fusco vittatus.	-	-	-	-	-	-	tæniatus, <i>Wied.</i>
1. Thorax flavidus.							
A. Antennæ ferruginæ.	-	-	-	-	-	-	fenestratus, <i>Wied.</i>
B. Antennæ nigræ.	-	-	-	-	-	-	difficilis, <i>Wied.</i>

336. DASYPOGON NOMADA.

Fœm. *Ater*; antennæ elongatæ; abdomen saturate flavum, basi albo cinctum; alæ nigræ, basi limpidæ.

Dasypongon Nomada, Wied. Auss. Zweifl. i. 397, 49.

337. DASYPOGON LUGUBRIS.

Fuliginoso-niger; alæ fuscæ. Mas.—Abdomen basi album, apice nigrum. Fœm.—Abdomen ferruginosum.

Dasypongon lugubris, Wied. Auss. Zweifl. i. 384, 28.

338. DASYPOGON HISTRIO.

Fœm. *Niger*; antennæ, thoracis anguli, scutellum, abdominis fasciæ pedesque saturate flava; alæ subflavescentes, dimidio costali fusco.

Dasypongon Histrio, Wied. Auss. Zweifl. i. 400, 54.

339. DASYPOGON NITENS.

Fœm. *Niger*, flavido hirtus; abdomen utrinque vitta marginali olivaceo-flavida; tibiæ flavæ; alæ limpidæ.

Dasypongon nitens, Wied. Auss. Zweifl. i. 408, 67.

340. DASYPOGON TÆNIATUS.

Mas. *Canescens*; antennæ ferruginæ; thorax fusco vittatus; abdomen macula singuli segmenti quadrata fusca, antice vitta utrinque rubida; pedes ferruginei, nigro-fusco varii; alæ subflavescentes.

Dasypongon tæniatus, Wied. Auss. Zweifl. i. 373, 11.

341. DASYPOGON FENESTRATUS.

Frœm. Flavidus; antennæ omnino ? ferruginæ; thorax vix vittatus; abdomen ferruginosum; pedes flavi, femoribus supra nigris; alæ fuscæ, vitta ad basim limpidissima.

Dasypogon fenestratus, Wied. Auss. Zweifl. i. 377, 18.

342. DASYPOGON DIFFICILIS.

Flavidus; antennæ nigræ; thorax vix vittatus; abdomen nigricans, incisuris ferrugineis; pedes flavi, femoribus supra nigris; alæ fuscæ, vitta ad basim limpidissima.

Dasypogon difficilis, Wied. Auss. Zweifl. i. 378, 19.

Genus 4. PSEUDORUS.

Antennarum articulus 3us dilatatus, 1o et 2o conjunctim fere triplo longior. Thoracis dorsum gibbosum, antice porrectum.

Pseudorus, Diptera Saundersiana, Pt. 2, 103.

Third externo-medial vein approaching very near to the fourth on the border of the wing; subanal united to the anal at some distance from the border.

1. PSEUDORUS PICEUS.

Pseudorus piceus, Diptera Saundersiana, Pt. 2, 103, pl. 4, f. 5.

South America.

Genus 5. BRACHYRHOPALA.

Corpus breve, fere nudum. Mystax simplex. Proboscis porrecta. Palpi breves, tenues. Antennæ vix capitis longitudine, basi vix villosæ; articulus 3us 1o triplo longior, supra fere rectus, subtus paullo convexus, basi attenuatus. Abdomen obclavatum. Tibiæ anticæ calcaratæ. Alarum venæ externo-medie 3a et 4a apud marginem remotæ; subanal et analis valde approximatae, non junctæ.

Brachyrhopala, Macq. Dipt. Exot. Suppl. 2, 35.

Forks of the cubital vein and the four externo-medial veins almost straight; third externo-medial very remote from the fourth; subanal near the anal on the border.

1. BRACHYRHOPALA RUFICORNIS.

Fœm.? *Nigra, nitida; antennæ pedesque fulva; scutellum testaceum; abdomen fasciis flavis; alæ dimidio costali fuscæ.*

Brachyrhopala ruficornis, *Macq. Dipt. Exot. Suppl.* 2, 36, 1, pl. 1, f. 7.

a. Tasmania. From Mr. Saunders' collection.

Genus 6. EUSCELIDIA.

Caput mediocre, transversum, thorace parum latius. Proboscis porrecta acuta, capitis longitudine. Palpi breves, seta longitudinis proboscidis terminati, facies parum obliqua, epistomate barbato. Antennæ breves, graciles, articulo 3o duobus basalibus conjunctim fere duplo longiore, apice acuminato, arista brevi, setiformi, subbiarticulata. Thorax brevis, ovatus. Alæ subangustæ. Abdomen longum, gracile, clavatum, basi hirsutum. Pedes anteriores graciles. Femora postica clavata, valde hirsuta, tibiis posticis elongatis subrectis; tarsis omnibus raptorii, 1o articulis subtus spinosis, ultimo majori subincurvo, unguibus valde elongatis et acutis.

Euscelidia, *Westw. Trans. Ent. Soc. Lond.* v. 232.

1. EUSCELIDIA RAPAX.

Nigra, thoracis latera cinerea; abdomen fulvo fasciatum, femora postica tibique fulva.

Euscelidia rapax, *Westw. Trans. Ent. Soc. Lond.* v. 232, pl. 23, f. 4.

Tropical Africa?

Genus 7. DOLICHODES.

Caput non depressum: antennæ arista brevi: abdomen longissimum, non petiolatum.

Dolichodes, Macq. *Dipt. Exot.* i. 2, 49.

General structure of the wing-veins like that of *Dasypogon*. Third externo-medial vein inclined towards the fourth, but at some distance from it on the border; subanal united to the anal on the border.

1. DOLICHODES FERRUGINEUS.

Mas. *Ferrugineus*; thorax fusco trivittatus; abdominis incisuræ pallidæ; alæ flavescens.

Dolichodes ferruginea, Macq. *Dipt. Exot.* i. 2, 49, 1, pl. 4, f. 1.

Brazil.

Genus 8. DISCOCEPHALA.

Caput depressum; antennæ arista brevi; abdomen longitudine mediocris, non petiolatum.

Discocephala, Macq. *Dipt. Exot.* i. 2, 50.

Dasypogon, Fabr.; Wied.

Structure of the wing-veins like that of *Dasypogon*. Third externo-medial vein remote from the fourth on the border; subanal united to the anal.

North America.

1. DISCOCEPHALA RUFIVENTRIS.

Fusca, palpi et mystax fulvi; antennæ nigrae; abdomen et pedes fulvi; alæ nigricantes.

Discocephala rufiventris, Macq. *Dipt. Exot.* i. 2, 50, 1, pl. 4, f. 2.

Dasypogon Æta, *Cat. of Diptera*, Pt. 2, 362.

Carolina.

2. DISCOCEPHALA AMASTRIS.

Dasypogon Amastris, *Cat. of Diptera*, Pt. 2, 362.

Fore fork of the cubital vein almost straight, slightly curved at its base; hind fork and first externo-medial vein straight; second externo-medial slightly curved; third inclined towards the fourth, but remote from it on the border; subanal joining the anal on the border.

Mexico.

3. DISCOCEPHALA NITIDUS.

Lutea, nigro vittata; abdomen utrinque albidum; alæ infumate.

Dasypogon nitidus, *Wied. Auss. Zweifl.* ii. 643, 60.

South America.

A. Thorax dorso rufo. - - - - - *rufithorax*, *Wied.*

B. Thorax flavo quadrivittatus. - - - - - *oculata*, *Fabr.*

C. Thorax flavo bivittatus. - - - - - *albo-atra*, *Walk.*

D. Thorax totus ater.

A. Alæ limpide, triente basilari nigra. - - - *nigrita*, *Fabr.*

B. Alæ nigro-fuscæ, triente apicali sublimpida. *apicalis*, *Walk.*

4. DISCOCEPHALA RUFITHORAX.

Niger; thoracis dorsum et femora anteriora rufa; alæ fusco-nigræ, dimidio apicali pallidiore.

Dasypogon rufithorax, *Wied. Auss. Zweifl.* i. 410, 72.

Brazil.

Var. β . *Femora anteriora nigra. Alæ dimidio apicali limpidæ.*

a. Parà. From Mr. Bates' collection.

5. DISCOCEPHALA OCULATA.

Nigro-fusca; *thorax vittis duabus margineque luteis*; *alæ fusæ*.

ioctria oculata, *Fabr. Syst. Antl.* 151, 12.

asypogon oculatus, *Wied. Dipt. Exot.* i. 230, 31; *Auss. Zweifl.* i. 412, 76.

asypogon Agalla, *Cat. of Diptera*, Pt. 2, 361.

Fore fork of the cubital vein almost straight, slightly curved at base; hind fork and the first and second externo-medial veins straight; third remote from the fourth, which is very slightly undulating; subanal united to the anal very near the border.

Brazil.

6. DISCOCEPHALA ALBO-ATRA.

Discocephala albo-atra, *Diptera Saundersiana*, Pt. 2, 100, pl. 3, f. 8.

Brazil. From Mr. Saunders' collection.

7. DISCOCEPHALA NIGRITA.

Atra; *alæ limpidæ, triente basilari nigra*.

ioctria nigrita, *Fabr. Syst. Antl.* 152, 13. *Wied. Dipt. Exot.* i. 180, 2; *Auss. Zweifl.* i. 366, 4.

South America.

8. DISCOCEPHALA APICALIS.

Atra; *alæ nigro-fusæ, triente apicali sublimpida, apice fusca*.

Body, antennæ and legs black. Wings blackish brown; apical third part nearly limpid, with the exception of the extreme tips, which are brown. Length of the body $2\frac{3}{4}$ lines; of the wings lines.

West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

Max et)

Dasypogon

23.

Dasypogon

Dasypogon

Germany.

Nigricans

rufus

latus

fasciatus

fusus

Dasypogon

199.

Grandes-Is.

Note.

Dasypogon

Aspect

similis. A

vissimus; A

at densa et

gracili; til

Max.—Sex

Eriopogon.

Max.

Aga

Dasypogon

487, 2

Portugal.

es and with tawny hairs; hinder part ferruginous. Abdomen thickly clothed with long and short red hairs; tip black. s stout, shining; femora slightly incrassated; tibiæ subclavate, lish black towards the tips; metatarsi long, slightly dilated; es and onychia of moderate size; middle tibiæ with short stout a. Wings blackish brown, rather paler along the hind border. ures yellow. Length of the body 5 lines; of the wings 10

Port Natal. From Mr. Stevens' collection.

East Indies.

13. DISCOCEPHALA PRYTANIS.

typogon Prytanis, *Cat. of Diptera*, Pt. 2, 363.

Forks of the cubital vein and the four externo-medial veins only straight; third externo-medial vein remote from the fourth. Anal vein united to the anal very far from the border.

Genus 9. CABASA.

Antennarum articulus 2us 1o multo brevior; 3us linearis, sub-
catus, 1o et 2o conjunctim multo longior.

cabasa, *Diptera Saundersiana*, Pt. 2, 100.

Forks of the cubital vein and the four externo-medial veins only straight; third externo-medial vein slightly inclined towards a fourth, but at some distance from it on the border; subanal only joining the anal on the border.

1. CABASA PULCHELLA.

Niger; thorax ruber; abdomen maris violaceum; alæ fusca.

typogon pulchellus, *Macq. Dipt. Exot. Suppl.* 1. 62, 37, pl. 7,
f. 9.

mania.

* Cabasa rufithorax, *Diptera Saundersiana*, Pt. 2, 100, pl. 3,
f. 5.

New South Wales. From Mr. Saunders' collection.

PART II.

2 X

2. CABASA VENNO.

Dasygogon Venno, *Cat of Diptera*, Pt. 2, 359.

Genus 10. SENOBASIS.

Antennæ arista brevi. Oculi remoti. Abdomen petiolatum. Alæ areola mediastinali aperta.

Senobasis, *Macq. Dipt. Exot.* i. 2, 52, 9.

Third externo-medial vein united to the fourth, and subanal vein united to the anal, at some distance from the border.

1. SENOBASIS ANALIS.

Mas. *Nigra*; antennæ basi testaceæ; thoracis latera fulvo vittata; abdomen fulvum, apice nigrum; pedes fulvi; alæ flavidæ, apice fusæ.

Senobasis analis, *Macq. Dipt. Exot.* i. 2, 53, 1, pl. 5, f. 1.

Brazil.

2. SENOBASIS FENESTRATA.

Fœm. *Nigra*; thoracis latera, scutellum, abdomen basi, pedesque fulva; alæ fusæ.

Senobasis fenestrata, *Macq. Dipt. Exot.* i. 2, 53, 2.

Brazil.

Genus 11. PLESIOMMA.

Antennæ breves. Oculi fere contigui. Abdomen petiolatum. Alæ areola mediastinali aperta.

Plesiomma, *Macq. Dipt. Exot.* i. 2, 54, 10.

Third externo-medial vein much inclined to the fourth, and approaching near to it on the border; subanal united to the anal very near the border.

1. PLESIOMMA TESTACEA.

Mas. *Testacea* ; antennæ *fulvæ* ; thorax *nigro subvittatus* ; abdomen *fulvum, fusco fasciatum* ; pedes *fulvi, tibiis posticis femoribusque fuscis* ; tibiæ *basi flavæ* ; alæ *fuscanae*.

Plesiomma testacea, Macq. *Dipt. Exot.* i. 2, 55, 1, pl. 5, f. 2.

2. PLESIOMMA NIGRA.

Mas et Fœm. *Nigra* ; abdomen *cyaneo-nigrum* ; pedes *obscure fuscis* ; alæ *flavida, basi costaque fuscans*.

Plesiomma nigra, Macq. *Dipt. Exot.* i. 2, 55, 2.

Dasypogon fuliginosus? Wied.

Brazil.

A D D E N D A .

Page 386.

DIOCTRIA OCHROCERA.

Subcinerea; mystax niger; antennarum articuli duo terminala ochraceo-lutei; thoracis dorsum subbilineatum; abdomen nigrum nitidum, segmentis 2—5 postice utrinque linea transversa alba; tibiæ apice tarsique pilis intermixtis rufis; alæ ad costam subfumosæ; halteres flavi.

Dioctria ochrocera, Duf. Ann. Soc. Ent. Fr. 2me Sér. x. 9, pl. 1, No. 1, f. 21—23.

Madrid.

Page 389.

Genus PHELLUS.

Mystax densissime setosus. Proboscis brevis, recta, valida. Antennarum articulus 1us 2o duplè longior; 3us sublinearis; arista brevissima, 1o plus triplo longior. Abdomen basi longe pilosum. Pedes pilosi; tibiæ tarsique postica ciliata.

Phellus, *Diptera Saundersiana*, Pt. 2, 110.

Fore fork of the cubital vein slightly curved, emitting a long branch towards the base of the wing; hind fork very slightly undulating; first and second externo-medial veins very slightly curved; third forming a hardly acute angle with the præbrachial, joining the fourth at a long distance from the border; subanal joining the anal very far from the border.

This genus is very nearly allied to *Dasygogon*, and especially to the group *Microstylum*.

1. PHELLUS GLAUCUS.

Phellus glaucus, *Diptera Saundersiana*, Pt. 2, 110, pl. 4, f. 6.
a, b. Swan River. From Dr. Bacon's collection.

Page 424.

DASYPOGON TRIFASCIATUS.

a. United States? From Mr. Saunders' collection.

Page 428.

DASYPOGON ? CEPHICUS.

Nigra; *facies argentea*; *arista biarticulatæ*.

Dasygogon cephicus, *Say, Journ. Acad. Nat. Sci. Philad.* vi. 158.
Mexico.

DASYPOGON NITIDUS.

Luteus, *nigro vittatus*; *abdomen utrinque albidum*; *pedes nigro-fusci*, *femoribus basi flavescentibus*; *alæ infumatæ*.

Dasygogon nitidus, *Wied. Auss. Zweifl.* ii. 643, 60.
Mexico.

Page 432.

DASYPOGON RUFIVENTRIS.

Var. ? *Nigra*; *facies testacea*; *abdomen rufum*, *basi maculisque dorsalibus nigricantibus*, *femora anteriora obscure rufa*; *femora tibiaque postica rufa*, *apice nigra*; *alæ cinereæ*, *venis nigris basi et apud costam fulvis*.

Body stout, thinly pubescent, nearly bare. Face slightly convex towards the epistoma. Mystax with a few hairs and bristles.

Proboscis stout, lanceolate. Third joint of the antennae tapering from the base to the tip, which is very pointed and slender. Abdomen long-obconical. Legs stout. Forks of the cubital vein and first and second externo-medial veins nearly straight; third externo-medial inclined towards the fourth, but at some little distance from it on the border; subanal joining the anal on the border.

a. Parà. From Mr. Bates' collection.

Page 433.

DASYPOGON EXAMINANS.

a. Parà. From Mr. Stevens' collection.

Page 433.

DASYPOGON LEPTOGASTER.

Fuscus; abdomen pallidius, basi coarctatum; alae ad marginem anticum late et sordide ferrugineae, postice hyalinae.

Laphria leptogaster, Perty, *Delect. Anim. Artic. Bras.* 130, pl. 36, f. 2.

Bahia.

DASYPOGON COARCTATUS.

Ferrugineus; thorax fuscus, lateribus scutelloque flavis stris media ferruginea; abdomen basi coarctatum, segmentorum 3o ad 7um marginibus posticis flavis; alae subferrugineae, obsolete fusco nubilae.

Laphria coarctata, Perty, *Delect. Anim. Artic. Bras.* 131, pl. 36, f. 4.

Dasypogon castaneus? Macq.

Rio Negro.

Page 433.

Group 4.

Corpus fere nudum. Facies plana. Mystax setis sex aut octo. Proboscis longiuscula, lanceolata. Antennarum articulus 3us sub-

avatus, 10 et 20 conjunctim vix longior. Abdomen longi-lanceolum. Pedes validi, setis paucis.

Forks of the cubital vein and the four externo-medial veins early straight; third externo-medial slightly inclined towards the north, but remote from it on the border.

DASYPOGON DISCOLOR.

Obscure fuscus; caput, thoracis vittæ duæ, pectus et venter albido tomentosa; antennæ et pedes nigra, hi testaceo varii; alæ subcinereæ.

Dark brown. Head, pectus, under side of the abdomen and oxe with whitish tomentum. Proboscis and antennæ black. Thorax with two stripes of whitish tomentum. Legs black; tibiæ and under side of the femora testaceous; tips of the anterior tibiæ and apical half of the hind femora black. Wings slightly grayish; veins black. Halteres testaceous. Length of the body $3\frac{1}{4}$ lines; of the wings 6 lines.

——— ?

Page 473.

Group Microstylum, Macq.

See page 451.

DASYPOGON SORDIDUS.

Nigro-fuscus; antennæ nigra; pectus canum; abdomen fulvo-fuscum; alæ cinereo-fusca.

Blackish brown. Head with black hairs behind, with white hairs beneath. Mystax with a few white bristles. Antennæ black. Pectus hoary. Abdomen tawny brown, pubescent, and with whitish hairs, which are most prevalent towards the base. Sexualia piceous. Legs with whitish hairs and with black bristles; onychia tawny. Wings grayish brown; veins black. Length of the body 11 lines; of the wings 16 lines.

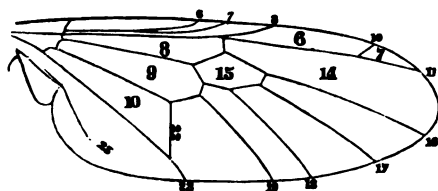
1. China. From Mr. Stevens' collection.

Page 486.

DASYPOGON PHALNA.

a. Santarem. From Mr. Bates' collection.

Fig. A.—SARGUS.



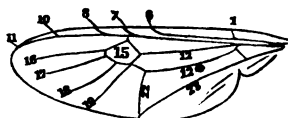
AREOLETS.

- | | |
|------------------|----------------|
| 6. Cubital, 1st. | 10. Anal. |
| 7. Cubital, 2nd. | 14. Subapical. |
| 8. Præbrachial. | 15. Discal. |
| 9. Pobrachial. | |

VEINS.

- | | |
|---------------------------------------------|----------------------------------------------|
| 6. Mediastinal vein. | 11. Second branch vein, or 2nd cubital vein. |
| 7. Subcostal vein. | 16—19. Externo-medial veins. |
| 8. Radial vein. | 22. Subanal vein. |
| 10. First branch vein, or 1st cubital vein. | 23. Anal vein. |
| | 25. Subaxillary vein. |

Fig. B.—SARGUS CUPRARIUS.



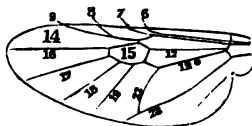
AREOLET.

15. Discal.

VEINS.

- | | |
|-------------------------|------------------------------|
| 1. Humeral veinlet. | 12. Præbrachial vein. |
| 6. Mediastinal vein. | 12*. Pobrachial vein. |
| 7. Subcostal vein. | 16—19. Externo-medial veins. |
| 8. Radial vein. | 22. Subanal vein. |
| 10. First branch vein. | 23. Anal vein. |
| 11. Second branch vein. | |

Fig. C.—NEMOTELUS PANTHERINUS.



AREOLETS.

14. Subapical.

15. Discal.

VEINS.

6. Mediastinal vein.

15*. Pobrachial vein.

7. Subcostal vein.

16—19. Externo-medial veins.

8. Radial vein.

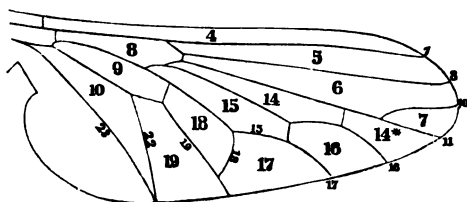
22. Subanal vein.

9. Cubital vein.

23. Anal vein.

12. Præbrachial vein.

Fig. D.—CYRTUS.



AREOLETS.

4. Mediastinal.

10. Anal.

5. Radial.

14. Subapical.

6. Cubital, 1st.

14*. Second Subapical.

7. Cubital, 2nd.

15. Discal.

8. Præbrachial.

16—19. Externo-medial.

9. Pobrachial.

VEINS.

7. Subcostal vein.

15. Discal veinlet.

8. Radial vein.

16—19. Externo-medial veins.

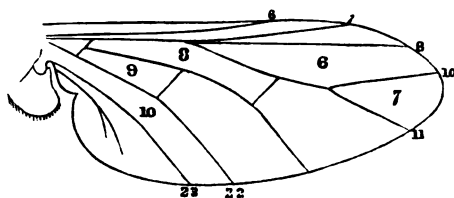
10. First branch vein.

22. Subanal vein.

11. Second branch vein.

23. Anal vein.

Fig. E.—ACROCERA.



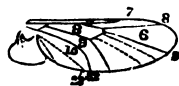
AREOLETS.

- | | |
|------------------|----------------|
| 6. Cubital, 1st. | 9. Pobrachial. |
| 7. Cubital, 2nd. | 10. Anal. |
| 8. Præbrachial. | |

VEINS.

- | | |
|------------------------|-------------------------|
| 6. Mediastinal. | 11. Second branch vein. |
| 7. Subcostal vein. | 22. Subanal vein. |
| 8. Radial vein. | 23. Anal vein. |
| 10. First branch vein. | |

Fig. F.—HENOPS.



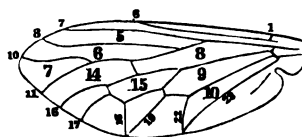
AREOLETS.

- | | |
|------------------|----------------|
| 6. Cubital, 1st. | 9. Pobrachial. |
| 8. Præbrachial. | 10. Anal. |

VEINS.

- | | |
|--------------------|-------------------|
| 7. Subcostal vein. | 22. Subanal vein. |
| 8. Radial vein. | 23. Anal vein. |
| 9. Cubital vein. | |

Fig. G.—*DASYPOGON PUNCTATUS*.



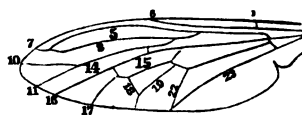
AREOLETS.

- | | |
|------------------|----------------|
| 5. Radial. | 9. Pobrachial. |
| 6. Cubital, 1st. | 10. Anal. |
| 7. Cubital, 2nd. | 14. Subapical. |
| 8. Præbrachial. | 15. Discal. |

VEINS.

- | | |
|------------------------|------------------------------|
| 1. Humeral veinlet. | 11. Second branch vein. |
| 6. Mediastinal vein. | 16—19. Externo-medial veins. |
| 7. Subcostal vein. | 22. Subanal vein. |
| 8. Radial vein. | 23. Anal vein. |
| 10. First branch vein. | |

Fig. H.—*LAPHRIA GILVA*.



AREOLETS.

- | | |
|----------------|-------------|
| 5. Radial. | 15. Discal. |
| 14. Subapical. | |

VEINS.

- | | |
|------------------------|------------------------------|
| 1. Humeral veinlet. | 11. Second branch vein. |
| 6. Mediastinal vein. | 16—19. Externo-medial veins. |
| 7. Subcostal vein. | 22. Subanal vein. |
| 8. Radial vein. | 23. Anal vein. |
| 10. First branch vein. | |

LIST
OF THE
SPECIMENS
OF
DIPTEROUS INSECTS
IN
THE COLLECTION
OF THE
BRITISH MUSEUM.

PART VII.
SUPPLEMENT III.

PRINTED BY ORDER OF THE TRUSTEES.
LONDON, 1856.

LONDON :
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synonyms, and the description, if it appeared to have been before undescribed.

The Catalogue of Dipterous Insects has been prepared and the new species described by Mr. FRANCIS WALKER, F.L.S., so well known for his attention to this order of Insects.

This part contains a revision of the rest of the family *Asilida*, with a description of the species added since the former parts were printed.

JOHN EDWARD GRAY.

British Museum,

March 19th, 1855.



b6
b7C

1



b6
b7C

LIST OF DIPTERA.

SECOND SERIES.

PART III.

Sub-family 3. LAPHRITES.

Ocelli tres. Antennæ 3-articulatæ; arista sæpissime nulla.
larum vena radialis subcostali ad apicem connexa.

aphritæ, Macq.

. Caput mystax nullo. - - - 1. *Megapoda, Macq.*

i. Caput mystacinum.

A. Oviductus brevis.

▲. Antennæ capite medio insertæ.

a. Antennarum articulus 3us nudus.

i. Corpus non punctatum. Alarum venula discalis et
vena externo-media 3a disjunctæ.*

1. Abdomen basi non contractum.

* Femora postica anterioribus valde crassiora.

† Palpi lati, ovati, acuminati.

2. *Hoplistomera, Macq.*

†† Palpi gracillimi. - - 3. *Lampria, Macq.*

** Femora postica anterioribus non crassiora.

† Arista nulla.

† Antennarum articulus 3us 1o paullo longior.

6. *Nusa, Walk*

* In *Laphriâ* scapulari conjunctæ.

- ‡ Antennarum articulus 3us 1o multo longior.
 § Fœminæ abdomen apice spinosum. 5. Scandon, *Walk.*
 §§ Fœminæ abdomen apice non spinosum.
 * Antennæ non capitatæ. - - 4. Laphria, *Meig.*
 ** Antennæ capitatæ. - - 7. Ampyx, *Walk.*
 †† Arista distincta. - - 8. Laphystia, *Loew.*
 2. Abdomen petiolatum.
 * Antennæ valde elongatæ. 9. Rhopalogaster, *Macq.*
 ** Antennæ mediocriter longæ. 10. Michotamia, *Macq.*
 ii. Corpus sæpissime punctatum.
 † Alarum venula discalis et vena externo-media 3a plus minusve conjunctæ. 11. Atomosia, *Macq.*
 †† Alarum venula discalis et vena externo-media 3a disjunctæ. - - 12. Cormansia, *Walk.*
 b. Antennarum articulus 3us villosus. 13. Laxenecera, *Macq.*
 B. Antennæ capite infimo insertæ. 14. Tapinocera, *Macq.*
 B. Oviductus elongatus. Venæ cubitalis ramus anticus ramulum rejiciens. - - 15. Phoneus, *Macq.*

Genus 1. MEGAPODA.

Caput mystace nullo. Epistoma bisetosum. Proboscis perfecta. Antennæ triarticulatæ, non stylatæ; articulus 3us obtusus. Pedes longi; onychia conspicua. Alæ areola mediastinali clausæ.

Laphria, p., *Fabr.; Wied.*

Dasyopogon, p., *Perty.*

Megapoda, *Macq. Hist. Nat. Dipt. i. 288.*

Wings long, narrow. Fore fork of the cubital vein undulating; hind fork and first externo-medial slightly curved hindward, parallel to each other; second externo-medial nearly straight; third forming a very oblique angle with the præbrachial, joining the fourth at some distance from the border. Subanal united to the anal very near the border.

Mexico.

1. MEGAPODA CYANEIVENTRIS.

Fœm. *Nigra; antennæ testaceæ; abdomen cyaneum; pedes fusi, tarsis posticis crassis hirtis; alæ subfusce.*

Megapoda cyaneiventris, *Macq. Dipt. Exot. Suppl. i. 71, 3, pl. 7, f. 12.*

Mexico.

South America.

2. MEGAPODA LABIATA.

Nigra, nudiuscula; labrum flavum; abdomen chalybeum; tarsi antici flavi; alæ fusæ.

aphria labiata, Fabr.

3. MEGAPODA CRASSITARSIS.

Mas. Testacea; pedes elongati, tarris posticis crassis hirtis; alæ flavidæ.

Megapoda crassitarsis, Macq. Dipt. Exot. Suppl. 1, 70, 2, pl. 7, f. 11.

Brazil.

Genus 2. HOPLISTOMERA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Palpi lati, ovati, acuminati. Antennæ triarticulatæ, on stylatæ, insertione solita; articulus 3us nudus, obtusus. Abdomen non petiolatum. Oviductus brevis. Femora postica anterioribus multo crassiora. Alarum vena cubitalis ramo antico simplici.

Hoplistomera, Macq. Dipt. Exot. i. 59.

aphria, p., Fabr.; Wied.

Body pubescent, with very few hairs and bristles. Face flat. Antæstax with a few bristles. Proboscis short, stout, straight, lanceolate. Third joint of the antennæ linear, slender, very much longer than the first and the second together. Hind femora very thick, armed beneath with teeth. Radial vein curved abruptly to the subcostal. Fore fork of the cubital much curved, its curve nearly parallel to that of the radial; hind fork curved hindward, joining the first externo-medial at a short distance from the border; second externo-medial straight; third forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal very near the border.

1. HOPLISTOMERA SERRIPES.

Nigra, fulvo hirta; femora postica incrassata serrata; alæ fusæ bifasciatæ.

aphria serripes, Fabr.

Guinea. Gambia. Senegal.

Genus 3. LAMPRIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Palpi tenuissimi. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us nudus, obtusus. Abdomen non petiolatum. Oviductus brevis. Femora postica anterioribus multo crassiora. Alarum vena cubitalis ramo antico simplici.

Lampria, *Macq. Dipt. Exot.* i. 2, 60.

Laphria, p., *Fabr.*; *Wied.*

Body metallic, almost bare. Face convex towards the epistoma. Mystax with a few bristles. Proboscis long, straight. Third joint of the antennæ nearly linear, slightly tapering at each end, much longer than the first and second together. Thorax with gilded tomentum. Fore fork of the cubital vein curved, nearly angular towards its base; hind fork nearly straight, slightly inclined towards the first externo-medial; second externo-medial straight; third forming an obtuse angle with the præbrachial and joining the fourth far from the border. Subanal joining the anal near the border.

Mexico.

1. LAMPRIA MEXICANA.

Mas. *Viridis, nitens; mystax niger; abdomen basi orichalceum; alæ nigre.*

Lampria mexicana, *Macq. Dipt. Exot. Suppl.* 2, 37, 3.

- | | | | | | | |
|---------------------|---|---|---|---|---|---------------------------|
| A. Abdomen auratum. | - | - | - | - | - | clavipes, <i>Fabr.</i> |
| B. Abdomen viride. | - | - | - | - | - | Macquartii, <i>Perty.</i> |
| C. Abdomen rufum. | - | - | - | - | - | Tolmides, <i>Walk.</i> |

2. LAMPRIA CLAVIPES.

Aurata; thorax apice niger; pedes ænei, femoribus posticis clavitis dentatis.

Laphria clavipes, *Fabr.*

a. Tapayos, Brazil. From Mr. Bates' collection.

3. LAMPRIA MACQUARTII.

Nigra; oculi albo semicincti; thorax aureo-cupreus; abdominis dorsum viride; femora postica subtus dentata; alæ nigro-fusce.

Lampria Macquartii, Perty.

4. LAMPRIA TOLMIDES.

Lampria Tolmides, Cat. of Diptera, Pt. 2, 377.

Asia.

5. LAMPRIA ENEA.

Chalybea; mystax auratus; abdomen incisuris utrinque albis; alæ nigro-fusce.

Lampria ænea, Fabr. Syst. Antl. 161, 23. Wied. Dipt. Exot. i. 238, 11; Auss. Zweifl. i. 515, 28.

Lampria colorata, Boisd. Voy. de l'Astrolabe, Atlas, Ent. pl. 12, f. 11.

Lampria ænea, Macq. Dipt. Exot. i. 2, 61, 1, pl. 6, f. 1.

ava. Amboina. Solomon's Isles. New Zealand.

b. Java. From the East India Company's collection.

6. LAMPRIA AURIBARBIS.

Mas. Violacea; mystax barbaque aurata; pedes flavo pilosi; alæ antice hyalinæ, postice fusce.

Lampria auribarbis, Macq. Dipt. Exot. Suppl. 3, 22, 4.

ava.

Genus 4. LAPHRIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis correctæ. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us nudus obtusus. Abdomen non petiolatum. Oviductus brevis. Femora postica anterioribus non crassiora. Alarum vena subitalis furca antica simplici.

Laphria, Fabr. Syst. Antl.; Latr.; Fall.; Wied.; Meig.; Curt; Macq.; Zell.; Loew; Zell.

Asilus p., Linn.; Geoffr.; Deg.; Fabr. Ent. Syst.; Schr.; Gmel. *Laphria* et *Chærades*, Walk.

Europe.

- A. Alarum vena radialis et venæ cubitalis furca antica venula transversa conjunctæ. - - - maroccana, *Fabr.*
- B. Alarum vena radialis et venæ cubitalis furca antica non conjunctæ. Venæ cubitalis furca postica et vena externo-media la disjuncta.
- A. Pedes nigri.
- a. Thoracis abdominisque latera flavida. Tibiæ albo hirtæ. pallidipennis, *Brullé.*
- b. Caput et abdomen aureo pilosa. - - - aurea, *Fabr.*
- c. Abdominis segmenta 4um et 5um aureo tomentosa. - - - dizonias, *Loew.*
- d. Abdominis segmenta tria antica nigro pilosa, tria postica flavido tomentosa. - - - gibbosa, *Linn.*
- e. Nigro pilosa; thorax postice et scutellum flavido pilosa. - - - ephippium, *Fabr.*
- f. Flavo hirta; pilis nigris admixtis; maculæ humerales nullæ. flava, *Linn.*
- g. Nigra; abdominis dorsum fulvo tomentosum.
- a. Alæ fuscescentes.
- i. *Mystax flavescens.* - - - ignea, *Meig.*
- ii. *Mystax niger.* - - - limbata, *Macq.*
- b. Alæ fulvescentes. - - - gilva, *Linn.*
- h. Nigra; thorax postice et abdomen flavo villosa. - - - flavescens, *Macq.*
- i. Nigra; abdominis segmenta 3o ad 6um utrinque fulva. - - - dimidiata, *Loew.*
- j. Nigra; abdominis dorsum postice fulvo maculatum. - - - erythrura, *Loew.*
- k. Aureo pilosa; maculæ humerales albicantes. - - - proboscidea, *Loew.*
- l. Nigra; maculæ humerales nigricantes. - - - marginata, *Linn.*
- m. Flavo pilosa; maculæ humerales nullæ. auribarbis, *Meig.*
- n. Fulvo hirsuta; femora postica externe nigro villosa. - - - vulpina, *Meig.*
- o. Fulvo villosa; abdomen fasciis nigris. - - - lutea, *Meig.*
- p. Abdomen fulvo hirsutum, basi album. - - - fulva, *Meig.*
- q. Abdominis incisuræ albo villosæ. - - - cincta, *Fabr.*
- B. Abdomen incisuris fulvis, basi albidum.
- a. *Mystax niger.* - - - fimbriata, *Meig.*
- b. *Mystax flavicans.* - - - inserta, *Loew.*
- s. Abdomen fulvo hirtum, lateribus nigro maculatis. - - - albibarbis, *Meig.*
- T. Nigra; femora incrassata.
- a. Facies alba. - - - femorata, *Meig.*

- ### 1. LAPHRIA MAROCCANA.

2. LAPHRIA PALLIDIPENNIS.

Messenia.

3. LAPHRIA AUREA.

Obscure rufo-picea ; caput et abdomen aureo pilosa.

Asilus aurea, *Fabr. Ent. Syst.* iv. 378, 11 ; *Meig. Klass. Zweifl.* i. 166, c.

Laphria aurea, *Fabr. Syst. Anth.* 158, 9.

South France. Greece. Asia Minor.

4. LAPHRIA DIZONIAS.

Fœm. Obscure rufo-picea ; facies abdominisque segmenta 4um et 5um aureo tomentosa ; alæ antice fulvescentes, postice cinerascens.

Laphria dizonias, *Loew, Linn. Ent.* ii. 542, 3.

Telmessus, Sicily.

5. LAPHRIA GIBBOSA.

Mas et Fœm. Nigra ; abdominis segmenta tria anteriora nigro pilosa, tria posteriora flavido tomentosa.

Asilus gibbosus, *Linn.*

North and Central Europe. South Russia.

6. LAPHRIA EPHIPPIMUM.

Mas et Fœm. Nigra, nigro pilosa ; thorax postice et scutellum flavido pilosa ; alæ ad costam fuscescentes ; halteres fusi.

Laphria ephippium, *Fabr.*

North and Central Europe.

7. LAPHRIA FLAVA.

Mas et Fœm. Nigra, flavo hirta, pilis nigris in capite, thoracis parte anteriore, femoribusque admixtis ; maculæ humerales nullæ ; alæ venis infuscatis ; halteres flavi.

Asilus flavus, *Linn.*

North and Central Europe.

8. LAPHRIA IGNEA.

Nigra ; mystax flavescens, setis nonnullis nigris ; abdominis dorsum breviter fulvo tomentosum ; alæ fuscescentes ; halteres fulvi.

Laphria ignea, *Meig.*

North and Central Europe.

9. LAPHRIA LIMBATA.

Mas. *Nigra*; *facies albido tomentosa*; *mystax totus niger*; *thorax cinereo hirtus*; *abdomen late fulvo hirtum, marginibus nigris*; *alæ fuscescentes, basi limpida.*

Laphria limbata, *Macq. Hist. Nat. Dipt.* i. 287, 31.

France.

10. LAPHRIA GILVA.

Mas et Fœm. *Nigra*; *mystax niger, pilis nonnullis albis*; *abdominis dorsum breviter fulvo tomentorum*; *alæ fulvescentes*; *halteres fulvi.*

Asilus gilvus, *Linn.*

North and Central Europe.

11. LAPHRIA FLAVESCENS.

Mas. *Nigra*; *mystax barbaque flava*; *thorax postice abdomineque flavo villosa.*

Laphria flavescens, *Macq. Dipt. Exot.* i. 2, 69, 16.

Pyrenees.

12. LAPHRIA DIMIDIATA.

Fœm. *Nigra*; *abdominis segmenta 3o ad 6um utrinque fulva*; *alæ hyalinæ, apices versus subcinereæ.*

Laphria dimidiata, *Loew, Linn. Ent.* ii. 550, 9.

Mermeriza, Asia Minor.

13. LAPHRIA ERYTHRURA.

Fœm. *Nigra*; *abdominis dorsum postice fulvo maculatum, sed parce et breviter nigro pilosum.*

Laphria erythrura, *Loew, Linn. Ent.* ii. 552, 10.

Mermeriza, Asia Minor.

14. LAPHRIA PROBOSCIDEA.

Fœm. *Nigra, aureo pilosa*; *mystax setis nigris flavo admixtis*; *maculæ humerales albicantes*; *alæ cinereo fuscescentes.*

Laphria proboscidea, *Loew, Linn. Ent.* ii. 554, 11.

Germany. Italy.

15. LAPHRIA MARGINATA.

Mas et Fœm. *Nigra; mystax concolor; maculæ humerales albicantes.*

Asilus marginatus, Linn.

Laphria marginata, Guér. *Icon. Règne Anim. Ins.* pl. 94, f. 2.

North and Central Europe.

16. LAPHRIA AURIBARBIS.

Mas et Fœm. *Nigra, flavo pilosa, maculis humeralibus nullis; antennarum articulus 2us partem 4am 1i æquans; alæ antice fuscae; halteres fulvi.*

Laphria auribarbis, Meig. *Zweifl.* ii. 292, 8. *Macq. Hist. Nat. Nat. Dipt.* i. 283, 12.

Central and Southern Europe, and Asia Minor.

17. LAPHRIA VULPINA.

Fulvo hirsuta; femora postica externe nigro villosa; alæ fuscae; halteres fusc.

Laphria vulpina, Megerle; Meig. *Zweifl.* ii. 289, 4.

Austria.

18. LAPHRIA LUTEA.

Fulvo villosa; abdomen fasciis nigris; alæ strigis fusciscentibus; halteres fusc.

Laphria lutea, Megerle; Meig. *Zweifl.* ii. 290, 6.

Austria.

19. LAPHRIA FULVA.

Nigra; facies alba; mystax fulvo-nigroque varius; abdomen fulvo hirsutum, basi album; alæ fuscae; halteres fulvi.

Laphria fulva, Meig. *Zweifl.* ii. 292, 9, pl. 20, f. 21. *Macq. Hist. Nat. Dipt.* i. 283, 13.

France. Germany.

20. LAPHRIA CINCTA.

Nigra; mystax pallide flavus; abdominis incisuræ albo villosæ; alæ nigricantes, basi hyalinæ; halteres flavi.

Asilus cinctus, *Fabr. Sp. Ins.* ii. 465, 29; *Ent. Syst.* iv. 387, 51.

Gmel. ed. Syst. Nat. i. 5, 2899, 36.

Asilus fuliginosus, *Panz. Faun. Ins. Germ.* liv. 21. *Meig. Klass. Zweifl.* i. 272, 2.

Laphria cincta, *Fabr. Syst. Antl.* 163, 31. *Meig. Zweifl.* ii. 299, 24. *Macq. Hist. Nat. Dipt.* i. 284, 16.

Austria.

21. LAPHRIA FIMBRIATA.

Mas. Atra; facies alba; mystax niger; humeri plurisque maculis tomentosus signata; abdominis incisuræ ad latera aureo tomentosæ; segmentum lum cum scutello et extrema thoracis parte albo pilosum.

Laphria fimbriata, *Meig. Zweifl.* ii. 293, 10. *Macq. Hist. Nat. Dipt.* i. 287, 32. *Loew, Linn. Ent.* v. 412.

France. Hungary. Bannat.

22. LAPHRIA URSULA.

Atra; facies et mystax flavicantia; thorax antice nigro, postice flavo, pilosus; pleuræ immaculatæ; abdominis incisuræ ad latera albido pilosa.

Laphria ursula, *Loew, Linn. Ent.* v. 414.

Russia.

23. LAPHRIA ALBIBARBIS.

Nigra; mystax albus; abdomen fulvo hirtum, lateribus nigro maculatis; alæ fuscæ; halteres nigri.

Laphria albibarbis, *Meig. Zweifl.* ii. 295, 14, pl. 20, f. 22, 23.

Germany?

24. LAPHRIA FEMORATA.

Nigra; facies alba; mystax niger; femora postica incrassata; alæ fuscæ; halteres flavæ.

Laphria femorata, *Meig. Zweifl.* ii. 297, 18. *Macq. Hist. Nat. Dipt.* i. 283, 15, 25.

Germany?

25. LAPHRIA PODAGRICA.

Nigra; facies flava; mystax niger; femora postica incrassata; alæ fuscæ; halteres flavi.

Laphria podagrica, Meig. Zweifl. ii. 297, 19.

D. femorata, var. ?

Germany ?

26. LAPHRIA CHRYSOCEPHALA.

Nigra, nitida; facies aurea; mystax niger; abdominis incisus albo villosus; alæ apices versus nigricantes; halteres flavi.

Laphria chrysocephala, Meig. Zweifl. ii. 299, 23.

Chamounix.

27. LAPHRIA ANTHRAX.

Nigra, nitida; scutellum cinereo villosum; alæ venis infuscatis; halteres fusi.

Laphria Anthrax, Meig. Zweifl. ii. 300, 25.

France ?

28. LAPHRIA UNGULATA.

Aterrima; facies et mystax alba; scutellum canum; alæ fusco-flavæ.

Laphria unguolata, Pallas; Wied. Zool. Mag. i. 2, 39. Meig. Zweifl. ii. 304, 32.

South Russia.

29. LAPHRIA DIOCTRIÆFORMIS.

Nigra, nitida; facies alba; mystax niger; abdominis segmenta tria antica cano villosa; alæ fuscae, basi subhyalinae; halteres fulvi.

Laphria dioctriæformis, Megerle; Meig. Zweifl. ii. 300, 26.

Austria.

30. LAPHRIA NITIDULA.

Nigra, hirta; facies et mystax albida; abdominis segmenta utrinque albida; alæ dimidio apicali fuscæ; halteres flavi.

Asilus nitidulus, Fabr. Ent. Syst. iv. 386, 44. Meig. Klass. Zweifl. i. 269, m.

aphria nitidula, *Fabr. Syst. Antl.* 162, 24. *Meig. Zweifl.* ii. 303, 30.

aly.

31. LAPHRIA NIGRIPENNIS.

Nigra, nitida; mystax supra niger subtus albus; alæ fusco-nigræ; halteres fusi.

aphria nigripennis, *Megerle; Meig. Zweifl.* ii. 301, 27.

ustria.

32. LAPHRIA? LANIGERA.

Atra, nitida, albido mollissime longeque villosum; antennæ articulis quatuor, aristaque brevissima setiformi; abdomen supra brevissime pilosum; alæ hyalinæ, venis testaceis.

aphria lanigera, *Duf. Ann. Sci. Nat.* xxx. 217, 10.

pain.

33. LAPHRIA VIOLACEA.

Nigra, nitida; barba nigra; abdomen violaceum; alæ fuscescentes.

lilus violaceus, *Fabr. Sp. Ins.* ii. 462, 13; *Ent. Syst.* iv. 381, 21.

Gmel. ed. Syst. Nat. i. 5, 2897, 24.

aphria violacea, *Fabr. Syst. Antl.* 159, 14. *Meig. Zweifl.* ii. 302, 29. *Macq. Hist. Nat. Nat. Dipt.* i. 286, 24.

Germany.

34. LAPHRIA VENATRIX.

Mas. Chalybeo-nigra; antennarum articulus 1us perlongus; alæ subcinereæ.

aphria venatrix, *Loew, Linn. Ent.* ii. 562, 16.

yracuse, Sicily.

35. LAPHRIA RUFIPES.

Mas et Fœm. Nigra; femora tibiæque rufa; alæ subfusce.

aphria rufipes, *Fall. Dipt. Suec. Asil.* 66. *Meig. Zweifl.* ii. 299, 22. *Zett. Dipt. Scand.* i. 163, 7. *Loew, Linn. Ent.* ii. 560, 14.

North Europe and the Mountains of Central Europe.

36. LAPHRIA LAPPONICA.

Fœm. *Nigra, tenuiter cinereo pubescens; facies utrinque nivo pilosa; mystax niger; barba alba; femora intermedid plerumque basi, femora tibiæque postica omnino rufa; alæ fuscescentes.*

Laphria rufipes, Zett. *Ins. Lapp.* 77, 103, 217; *Ins. Lapp.* 506, 3.

Laphria lapponica, Zett. *Dipt. Scand.* i. 164, 8. *Loew, Linn. Ent.* ii. 561, 15.

Lapland. Siberia.

37. LAPHRIA COARCTATA.

Nigra; caput albido villosum; frons flavescens; antennæ ferrugineæ; abdomen atrum, nitidum, segmentis coarctatis, 2o 3o 4oque suprâ utrinque lineola transversa alba; pedes nigri, cinereo villosi, tibiis basi testaceis; alæ basi subtestaceæ.

Laphria coarctata, Duf. *Ann. Sci. Nat.* xxx. 217, 11.

Madrid, Spain.

38. LAPHRIA SCUTELLARIS.

Nigra; scutellum albidum; pedes rufo-ochracei; alæ subflavescentes; halteres sordide flavi.

Laphria scutellaris, Hoffm.; Meig. *Zweifl.* ii. 296, 17.

Portugal.

39. LAPHRIA TIBIALIS.

Nigra, nitida; abdomen incisuris albo villosis; pedes fulvi, femoribus nigris; alæ subnigricantes; halteres fulvi.

Laphria tibialis, Megerle. Meig. *Zweifl.* ii. 298, 21.

Austria.

40. LAPHRIA GLAUCIA.

Nigra, tomentosa; abdomen apud segmenta 2um 3umque fusca glauca, reliquis margine flavo; pedes fulvi; alæ fuscescentes.

Asilus glaucius, Fabr. *Ent. Syst.* iv. 386, 46. Meig. *Klass. Zweifl.* i. 269, n.

Laphria glauca, Fabr. *Syst. Anl.* 163, 30. Meig. *Zweifl.* ii. 302, 31.

Italy.

41. LAPHRIA FLAVICINCTA.

Nigra, flavo hirta; abdomen fasciis sinuatis aurantiacis; pedes fulvescentes; alæ basi flavo-fuscescentes; halteres flavi.
phria flavicincta, Hoffm. Meig. Zweifl. ii. 296, 16.
 rtugal.

42. LAPHRIA ATRA.

Nigra; barba albida; abdomen chalybeum; alæ fuscescentes.
ilus ater, Linn.
 rth and Central Europe.

North America.

Corpus non metallicum.

4. Corpus et pedes nigra.

- A. Cinereo hirta; abdomen nigro hirtum. melanopogon. *Wied.*
- B. Scoriaceo nigra; caput et pedes nigro hirta. *dersata, Say.*
- C. Thorax sulphureo hirsutus. - - - thoracica, *Fabr.*
- D. Thorax aurario pilosus. - - - flavicollis, *Say.*
- E. Thorax abdominisque apex aurario pilosa. *posticata, Say.*
- F. Flavo hirta; scutellum, abdominis segmentum lūm, anus et pedes postici nigro hirta. - - - tergissa, *Say.*
- G. Flavo hirta; abdomen apice nigro hirtum. *analís, Macq.*
- H. Flavido hirta; pedes nigro hirti. - Terræ Novæ, *Macq.*
- I. Flavo hirta; pedes postici nigro hirti. - flavipila, *Macq.*
- J. Caput, thorax, et pedes flavido hirta; abdominis dimidium apicale fulvo hirtum. - - - lasipes, *Wied.*
- K. Thorax flavo hirtus, fascia abbreviata nigra; abdomen basi lateribusque flavo hirtis. - - - Georgina, *Wied.*
- L. Fulvo hirta. - - - sericea, *Say.*

3. Corpus aut pedes plus minusve pallida.

- A. Thorax fulvo bivittatus. Abdomen aurantiacum. *saffrana, Fabr.*
- B. Thorax albo vittatus. - - - pyrrhacra, *Wied.*
- C. Thorax cinereo vittatus. - - - glabrata, *Say.*
- D. Abdomen rufo-fuscum. - - - megacera, *Macq.*
- E. Abdominis dorsum ferrugineum. - - - æstus, *Walk.*
- F. Abdomen apice fulvum. - - - fulvicauda, *Say.*
- G. Abdomen rufum. - - - Antæa, *Walk.*
- H. Abdomen rubrum; tibiæ basi pallidæ. rubriventris, *Macq.*
- I. Pedes rufi. - - - Sadales, *Walk.*

B. Corpus plus minusve metallicum.

A. Nigro-cærulescens. - - - melanogaster, *Wied.*B. Nigro-viridis. Abdomen nigro-cærulescens. pygmaea, *Macq.*

C. Nigro-ænea.

A. Alæ subfuscae. - - - Alcanor, *Wall.*

B. Alæ limpidae.

a. Tibiæ non clavatæ. - - - Sacratæ, *Wall.*b. Tibiæ posticæ clavatæ. - - - Echemon, *Wall.*

The North American species comprise the following groups.

Group 1.

Corpus pilosissimum, sat gracile. Facies apud epistoma convexa. Mystax setis plurimis longis. Proboscis recta, linearis. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim multo longior. Pedes validi, hirsutissimi; femora crassa.

Body very hairy, rather slender. Face convex towards the epistoma. Mystax with long and very numerous bristles. Proboscis straight, linear. Third joint of the antennæ elongate-fusiform, much longer than the first and the second together. Legs stout, very hairy; femora thick. Fore fork of the cubital vein slightly undulating; hind fork and the first externo-medial very slightly curved, parallel to each other; second externo-medial straight, third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal very near the border.

Laphria ætæus.

Group 2.

Corpus pilosissimum latiusculum. Facies apud epistoma subconvexa. Mystax setis plurimis longis. Proboscis recta, linearis. Antennarum articulus 3us linearis, gracilis, articulis 1o et 2o conjunctim multo longior. Pedes validi, hirsutissimi; femora crassa.

Body very hairy, rather broad. Face slightly convex towards the epistoma. Mystax with long and very numerous bristles. Proboscis straight, linear. Third joint of the antennæ linear, slender, very much longer than the first and the second together. Legs stout, very hairy; femora thick. Wing-veins like those of the first group.

Laphria tergissa, *L. posticata*, *L. thoracica*, *L. sericea*, *L. Sacratæ*, *L. lasipes*, *L. Alcanor*.

Group 3.

Corpus latum, crassum, non setosum. Caput hirsutissimum. *æ* apud epistoma subconvexa. *Mystax* densissime setosus; *os* recta, crassa. *Antennarum* articulus 3us longus, basi *que* subattenuatus, 1o et 2o conjunctim multo longior. *Tholatera* hirta. Abdomen cingulis pilosis. *Pedes* pilosi, breves, robusti; *femora* incrassata, apud apices subsetosa.

Body broad, thick, without bristles. Head very hairy. Face tly convex towards the epistoma. *Mystax* very thickly setose. *os* straight, very stout. Third joint of the antennæ long, tly tapering at each end, much longer than the first and second s together. Thorax hairy on each side. Abdomen with hairy ls. Legs hairy, short, very stout; *femora* very thick, with a few les towards the tips. Fore branch of the cubital vein much ed near the base, slightly curved from thence to the tip; hind ch and first externo-medial straight and parallel to each other; ad externo-medial straight; third forming a nearly right angle the præbrachial, and joining the fourth very far from the bor-

Subanal joining the anal near the border.

hria saffrana.

Group 4.

Fæm. *Corpus* nudum, mediocriter latum. *Facies* apud epistoma valde convexa. *Mystax* setis plurimis. *Proboscis* recta, *uris*, longiuscula. *Antennarum* articulus 3us longissimus, sub-*uris*, basi apiceque subattenuatus, 1o et 2o conjunctim duplo *ior.* *Femora* crassa, postica subtus spinosa.

'em. Body bare, moderately broad. Face very convex towards epistoma. *Mystax* with several bristles. *Proboscis* straight, *ur*, rather long. Third joint of the antennæ very long, nearly *ur*, slightly tapering towards each end, about twice the length he first and second together. *Femora* thick; hind femora spi- *beneath.* Wings moderately long and broad. Fore fork of the tal vein undulating; hind fork curved towards the first externo-*ial*, but remote from it on the border; first and second externo-*ial* veins straight; third curved, forming an obtuse angle with præbrachial, joining the fourth far from the border. Subanal *ing* the anal close to the border.

hria Antæa.

Group 5.

Corpus angustum, lineare, fere nudum. Facies apud epistoma convexa. Mystax sat dense setosus. Proboscis recta, valida, linearis. Pedes validi, breviusculi, parce setosi et pilosi. Alæ breves.

Body narrow, linear, nearly bare. Face convex towards the epistoma. Mystax with rather numerous bristles. Proboscis straight, stout, linear. Legs stout, rather short, with a few short hairs and bristles. Wings short. Fore fork of the cubital vein slightly undulating; hind fork nearly straight, slightly inclined towards the first externo-medial, but remote from it on the border; first and second externo-medial veins straight; third forming an obtuse angle with the præbrachial and joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria Sadales.

43. LAPHRIA MELANOPOGON.

Fœm. *Nigra; occiput, thorax et pedes cinereo hirta; facies et abdomen nigro hirta; alæ subfuscescentes.*

Laphria melanopogon, Wied. *Auss. Zweifl.* i. 520, 36.
Kentucky.

44. LAPHRIA DERSATA.

Scoriaceo-nigra; caput et pedes cinereo hirta; alarum venæ fuscæ limbatæ.

Laphria dersata, Say, *American Entomology*, 1, pl. 6. Wied. *Auss. Zweifl.* i. 506, 12.
Pennsylvania.

45. LAPHRIA THORACICA.

Hirsuta, atra; thorax sulphureus; alæ fuscæ.

Laphria thoracica, Fabr. *Syst. Antl.* 158, 10. Wied. *Dipt. Exot.* i. 236, 8; *Auss. Zweifl.* i. 511, 21. Macq. *Dipt. Exot.* i. 2, 68, 14.

United States. West Indies.

46. LAPHRIA FLAVICOLLIS.

Mas. *Nigra; thorax aurario pilosus; alæ cinereæ.*

phria flavicollis, Say, *Long's Exped. to St. Peter's River, Append.*
374, 2. *Wied. Auss. Zweifl.* i. 519, 34.

phria melanopogon, Mas. ?

Pennsylvania.

47. LAPHRIA POSTICATA.

Mas. *Nigra*; *thorax et abdominis apex aurario pilosa*; *alæ cinereæ*.

phria posticata, Say, *Long's Exped. to St. Peter's River, Append.*
374, 1. *Wied. Auss. Zweifl.* i. 518, 32. *Macq. Dipt. Exot.*
i. 2, 69, 17.

Pennsylvania, Carolina.

48. LAPHRIA TERGISSA.

Nigra, flavo hirta; *scutellum, abdominis segmentum lumbum, anus pedesque postici nigro hirta*; *alæ flavidæ*.

phria tergissa, Say.

United States.

49. LAPHRIA ANALIS.

Nigra, flavo hirsuta; *abdomen apice nigrum*; *alæ fuscae areolarum discis hyalinis*.

phria analis, Macq. *Dipt. Exot.* i. 2, 68, 15.

Central America.

50. LAPHRIA TERRÆ NOVÆ.

Fœm. *Nigra*; *caput, thorax et abdomen flavido hirta*; *pedes nigro hirti*; *alarum venæ fusco marginatæ*.

phria Terræ Novæ, Macq. *Dipt. Exot.* i. 2, 69, 18.

Newfoundland.

51. LAPHRIA FLAVIPILA.

Nigra, flavo pilosa; *antennarum articulus 3us sat elongatus, non obtusus*; *pedes postici nigro pilosi*; *alæ fuscae, basi flavescens*.

phria flavipila, Macq. *Hist. Nat. Dipt.* i. 282, 8.

United States.

52. LAPHRIA LASIPES.

Mas. *Nigra*; caput, thorax et pedes flavido hirta; abdomini dimidium apicale fulvo hirtum; alarum venæ subfusco limbatae.

Laphria lasipes, Wied.

Kentucky.

53. LAPHRIA GEORGINA.

Nigra; thorax flavo hirtus, fascia abbreviata nigra; abdominis basi lateribusque flavo hirtis; alæ fuscanae.

Laphria Georgina, Wied. *Dipt. Exot.* i. 235, 6; *Auss. Zweifl.* i. 506, 13.

Georgia.

54. LAPHRIA SERICEA.

Mas. *Nigra*, fulvo hirta; mystax flavidus; tibiae postice nigrae hirtae; alæ limpidae, venis flavido limbatis.

Laphria sericea, Say, *Journ. Acad. Philad.* iii. 74, 4; *Amer. Ent. pl.* 6. Wied. *Auss. Zweifl.* i. 508, 16.

Pennsylvania.

55. LAPHRIA SAFFRANA.

Nigra; antennae, pedes thoracisque limbus et vittae duae fulvae; abdomen aurantiacum; alæ fuscæ.

Laphria saffrana, Fabr.

North America.

56. LAPHRIA PYRRHACRA.

Nigra; thorax albo vittatus; abdomen utrinque maculis albis segmenti 2i apice sequentibusque rubido-flavis; alæ flavo-centes.

Laphria fulvicauda, Say, *Journ. Acad. Philad.* iii. 53, 1; *Amer. Entomol.* pl. 6.

Laphria pyrrhacra, Wied. *Auss. Zweifl.* i. 517, 31.

North America and South America.

57. LAPHRIA GLABRATA.

ligna; *nitida*; *facies argentea*; *thoracis margo anticus, vitta duas et pectus cinerea*; *pedes rufo-fusci*; *femora apud medium, tibiæ apice tarsique obscuriora*; *alæ hyalinae, venis fuscis*.

Laphria glabrata, Say, *Journ. Acad. Philad.* iii. 53, 2.

Philadelphia.

58. LAPHRIA MEGACERA.

ligna; *facies lateribus albis*; *antennarum articulus 3us elongatus, non tumidus*; *abdomen rufo-fuscum*; *femora postica parum incrassata, tuberculis nigris*; *alæ nigricantes*.

Laphria megacera, Macq. *Hist. Nat. Dipt.* i. 284, 18.

Philadelphia.

59. LAPHRIA ÆATUS.

Laphria Æatus, Cat. of *Diptera*, 381.

United States.

60. LAPHRIA FULVICAUDA.

ligna; *cinereo pilosa*; *thorax vittatus*; *abdomen depressum, apice fulvum*; *alæ nigricantes*.

Laphria fulvicauda, Say, *Journ. Acad. Nat. Sci. Philad.* iii. 53, 1.

United States.

61. LAPHRIA ANTÆA.

ligna; *frons argentea*; *abdomen sanguineum*; *basi nigrum*; *alæ nigro violaceæ*.

Laphria Antæa, Cat. of *Diptera*, Pt. 2, 379.

Laphria saniosa? Say, *Journ. Acad. Nat. Sci. Philad.* vi. 158.

Found in North America.

62. LAPHRIA RUBRIVENTRIS.

ligna; *facies et mystax flava*; *thorax flavo pubescens*; *abdomen rubrum, basi nigrum*; *tibiæ basi pallidæ*; *alæ fuscae, basi flavescences*.

Laphria rubriventris, Macq. *Hist. Nat. Dipt.* i. 284, 19.

Philadelphia.

63. LAPHRIA SADALES.

Laphria Sadales, *Cat. of Diptera*, Pt. 2, 378.
New York.

64. LAPHRIA MELANOGASTER.

Nigro-cærulescens; *caput thorax et pedes anteriores flavido hirs;*
alarum venæ fuscato limbata.

Laphria melanogaster, *Wied. Dipt. Exot.* i. 236, 7; *Auss. Zweifl.*
i. 507, 14.

United States. Mexico.

65. LAPHRIA PYGMÆA.

Nigra; *frons et mystax alba*; *thorax viridi-niger*; *abdomen*
cyaneo-nigrum; *femora et tibiæ basi fulvescentia*; *ala lim-*
pida.

Laphria pygmæa, *Macq. Hist. Nat. Dipt.* i. 287, 30.
Georgia.

66. LAPHRIA ALCANOR.

Laphria Alcanor, *Cat. of Diptera*, Pt. 2, 383.
Massachusetts.

67. LAPHRIA SACRATOR.

Laphria Sacrator, *Cat. of Diptera*, Pt. 2, 382.
Nova Scotia.

68. LAPHRIA ECHEMON.

Laphria Echemon, *Cat. of Diptera*, Pt. 2, 386.
Ohio.

West Indies.

69. LAPHRIA XANTHOCNEMA.

Fœm. Nigra; *abdomen et tibiæ rubida*; *alæ subflavescentes*;
venæ cubitalis ramus posticus cum vena externo-media
junctus.

Laphria xanthocnema, *Wied. Auss. Zweifl.* i. 509, 18. *Macq. Dipt.*
Exot. i. 2, 67, 12.

West Indies. Brazil.

South America.

Thorax metallicus.

. Pedes nigri aut metallici.

A. Alæ obscuræ.

a. Thorax antice nigro hirtus, postice aurato hirtus.

splendens, *Macq.*b. Thorax aurato hirtus. - - - - dives, *Wied.*

c. Thorax nigro hirtus.

i. Proboscis recta. - - - - Olbus, *Walk.*ii. Proboscis arcuata. - - - - bimaculata, *Walk.*B. Alæ hyalinæ. - - - - violacea, *Macq.*f. Pedes ferruginei. - - - - spinipes, *Fabr.*

Thorax niger. Abdomen metallicum.

. Thorax non vittatus.

f. Thorax vittis pallidis.

A. Tibiæ albæ. - - - - albitibia, *Macq.*

B. Tibiæ non albæ.

a. Antennarum articulus 3us fusiformis.

i. Mystax dense setosus. - - - - pyrrhopyga, *Wied.*ii. Mystax raro setosus. - - - - erythropyga, *Wied.*b. Antennarum articulus 3us ellipticus. - - - - laticornis, *Walk.*

Corpus nigrum aut pallidum.

. Thorax totus niger.

A. Abdomen totum nigrum.

a. Alæ hyalinæ, apice subfuscæ. - - - - Venezuelensis, *Macq.*b. Alæ triente basali nigra. - - - - hæmorrhœa, *Wied.*c. Alæ fuscæ, fascia fulva. - - - - fascipennis, *Macq.*B. Abdomen basi pallidum. - - - - rufipennis, *Wied.*C. Abdomen apice pallidum. - - - - appendiculata, *Macq.*D. Abdominis segmenta 6um et 7um pallida. - - - - pilipes, *Macq.*

E. Abdomen totum pallidum.

a. Alæ fuscescentes; areolarum disci sublimpidi.

croceiventris, *Wied.*b. Alæ subflavescentes. - - - - dichroa, *Wied.*

c. Alæ luteæ dimidio postico apiceque cinereis.

proxima, *Walk.*f. Thorax nigellus, vittis obscurioribus. - - - - contusa, *Wied.*

Thorax vittis cinereis aut albis.

A. Abdominis latera nigra. - - - - Amandus, *Walk.*

B. Abdominis latera non nigra.

a. Alæ flavescentes. - - - - mesoxantha, *Wied.*b. Alæ limpidæ, apice cinereæ. - - - - erythrogaster, *Wied.*

c. Thorax cinereus aut canus.

- | | | |
|-----------------------------------------------|-----------|---------------------|
| i. Pedes nigri. | - - - - - | viduata, Wied. |
| ii. Pedes pallidi. | - - - - - | pusilla, Macq. |
| D. Thorax niger, humeris et pleuris pallidis. | - - - - - | mellipes, Wied. |
| E. Thorax niger, limbo luteo. | - - - - - | xanthopus, Wied. |
| F. Thorax niger, scutello fulvo. | - - - - - | limbata, Macq. |
| G. Thorax totus pallidus. | - - - - - | |
| A. Alæ apice nigræ. | - - - - - | melanura, Wied. |
| B. Alæ fusco maculatæ. | - - - - - | maculipennis, Macq. |

The following groups represent most of the South American species.

Group 1.

Corpus metallicolor. Caput et thorax setis nonnullis. Facies valde convexa. Mystax rarus. Proboscis longa valida, recta. Antennarum articulus 3us basi apiceque subattenuatus, 1o et 2o conjunctim multo longior. Pedes validi, pubescentes; femora tibiisque anteriora tarsique subsetosa.

Head and thorax with a few bristles. Face very convex. Mystax with a few bristles. Proboscis long, stout, straight. Third joint of the antennæ much longer than the first and the second together, slightly tapering towards each end. Legs stout, pubescent; tarsi and anterior femora and tibiæ slightly bristly. Fore branch of the cubital vein undulating; second nearly straight, remote from the first externo-medial; first and second externo-medial veins straight; third curved abruptly hindward and united to the fourth far from the border. Subanal and anal veins united very near the border.

Laphria Olbus.

Group 2.

Corpus metallicolor, hirsutum et setosum. Facies apud epistoma convexa. Mystax setis plurimis. Proboscis valida, lanceolata, subarcuata, non longa. Antennarum articulus 3us longiformis, 1o et 2o conjunctim longior. Pedes validi, pilosi, setosi; femora sat crassa.

Body and legs metallic, rather thickly beset with hairs and bristles. Face convex towards the epistoma. Mystax with numerous hairs and bristles. Proboscis stout, lanceolate, rather short, slightly curved. Third joint of the antennæ elongate-fusiform, longer than the first and the second together. Legs stout, hairy and bristly; femora rather thick. Fore fork of the cubital vein undulating; hind fork and first externo-medial vein slightly curved.

parallel to each other; second externo-medial straight; third forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria bimaculata.

Group 3.

Corpus metallicolor, fere nudum. Facies apud epistoma subconvexa. Mystax setis paucissimis. Proboscis recta, sat longa. Antennarum articulus 3us sublinearis, basi apiceque subattenuatus, 1o et 2o conjunctim multo longior.

Body metallic, almost bare. Face slightly convex towards the epistoma. Mystax with very few bristles. Proboscis straight, rather long. Third joint of the antennæ nearly linear, slightly tapering towards the tip, very much longer than the first and the second together. Fore fork of the cubital vein slightly undulating; hind fork and first externo-medial straight and parallel to each other; second straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal very near the border.

Laphria spinipes.

Group 4.

Caput et thorax dense et breviter hirti. Facies latissima, subconvexa. Mystax setis plurimis validis abbreviatis. Proboscis brevis, recta, crassa. Antennarum articulus 3us fusiformis, latiusculus, 1o et 2o conjunctim paullo longior. Abdomen subpubescens, lateribus parce setosis. Pedes validi, pilosissimi; femora crassa.

Head and thorax thickly clothed with short hairs. Face very broad, slightly convex. Mystax with numerous short stout bristles. Proboscis short, straight, very stout. Third joint of the antennæ fusiform, comparatively broad, rather longer than the first and the second together. Abdomen thinly pubescent, with a few short stout bristles on each side. Legs stout, very hairy; femora thick. Fore fork of the cubital vein undulating; hind fork united to the first externo-medial at some distance from the border; second externo-medial straight; third curved, forming a nearly right angle with the præbrachial, and joining the fourth far from the border. Subanal united to the anal at some distance from the border.

Laphria pyrrhopyga.

Group 5.

Caput valde hirsutum. Facies apud epistoma sub
Mystax raro setosus. Proboscis valida, recta, breviuscula.
narum articulus 3us fusiformis, 1o et 2o conjunctim æquali
racis et abdominis latera pilosa, setosa. Pedes validi
pilosissimi; femora incrassata.

Head very hairy. Face slightly convex towards the
Mystax with a few bristles. Proboscis stout, straight,
Third joint of the antennæ fusiform, as long as the first
second together. Thorax and abdomen hairy and bristly
side. Legs stout, bristly, very hairy; femora very thick,
the hind pair; hind tibiæ slightly curved. Fore fork of the
vein slightly undulating; hind fork slightly curved, paral
first externo-medial; second externo-medial straight; third
forming a nearly right angle with the præbrachial, and join
fourth far from the border. Subanal united to the anal
the border.

Var. Fore fork of the cubital united near its base to
by a transverse veinlet, forming in one wing near its base
which emits a short branch; first externo-medial inclining
the second.

Laphria erythropyga.

Group 6.

Caput, thorax et abdominis latera dense et breviter
Facies latissima, apud epistoma convexa. Mystax setis
longis. Proboscis apicem versus subarcuata. Antennarum
lus 3us ellipticus, latus, 1o et 2o conjunctim æqualis. A
latera subsetosa. Pedes validi, dense pilosi et setosi
crassa.

Head, thorax and sides of the abdomen thickly clothed
short hairs. Face very broad. Mystax on a convex tubercle
several long bristles. Proboscis slightly curved near the tip
joint of the antennæ elliptical, unusually broad, as long as
and the second together. Abdomen with a few bristles all
side. Legs stout, very hairy and bristly; femora thick.
of the cubital vein undulating; hind fork curved towards
externo-medial, and nearly joining it on the border; second
medial straight; third forming a hardly obtuse angle with
brachial, joining the fourth far from the border. Subanal
the anal at some distance from the border.

Laphria laticornis.

Group 7.

et thorax dense setosa. Facies valde convexa. Mystax us. Proboscis longa, robusta, apice arcuata. Antennae 3us linearis, gracilis, 1o et 2o conjunctim paulle pedes validi, pilosi, setosi; tarsi spinosi.

and thorax thickly beset with bristles. Face very constax very bristly. Proboscis long and stout, curved tip. Antennae slender; third joint linear, a little longer first and the second together. Legs stout, hairy and tarsi spinose. Fore branch of the cubital vein undulating; 1st straight, united on the border to the first externo-medial; third externo-medial curved hindward and united to at some distance from the border. Subanal and anal at some distance from the border.

nandus.

Group 8.

et thorax setis paucis. Facies fere plana. Mystax stomata versus setosus. Proboscis valida, recta. Antennae 3us fusiformis, 1o et 2o conjunctim longior. Pedes 1i; femora crassiuscula.

and thorax with a few bristles. Face almost flat. Mystax bristly towards the epistoma. Proboscis stout, straight. 1st of the antennae fusiform, longer than the first with the legs stout, bristly; femora rather thick. Fore branch of vein much curved near the base, almost straight from the tip; hind branch very slightly curved, remote from the 1st-medial, which is nearly straight; second externo-medial curved abruptly hindward, and united to the fourth at some distance from the border. Subanal united to the anal near

culipennis.

Group 9.

1i parce pilosum, non setosum. Facies apud peristoma a. Mystax dense setosus. Proboscis latissima, sub-antennarum articulus 1us 2o plus duplo longior; 3us 1us, 1o multo longior. Femora crassa.

1i compressed horizontally. Radial vein nearly straight. 1st of the cubital very slightly undulating; hind fork and

first externo-medial vein hardly curved, almost parallel to each other. Third externo-medial forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria aurifrons.

70. *LAPHRIA DIVES.*

Fœm. *Ænea, aurato hirta; alæ nigro-fusæ.*

Laphria dives, Wied. *Auss. Zweifl.* i. 524, 43.

Brazil.

71. *LAPHRIA OLBUS.*

Laphria Olbus, *Cat. of Diptera*, Pt. 2, 375.

a. Guatemala. From M. Deby's collection.

72. *LAPHRIA BIMACULATA.*

Viridis; caput et pectus nigra; thorax albido bimaculatus; abdomen et tibiæ posticæ purpureæ; alæ nigro-purpureæ.

Body and legs rather thickly clothed with long hairs and bristles. Head black, with whitish tomentum beneath and about the eyes, clothed beneath with whitish hairs. *Mystax* with black bristles, and towards the epistoma with white bristles. Thorax purple, with black hairs and bristles; a spot of whitish tomentum on each side in front. Pectus black, with whitish tomentum. Abdomen and legs blue; tip of the abdomen and tibiæ purple. Wings purplish black. Halteres tawny. Length of the body 9 lines; of the wings 18 lines.

a. Amazon district. From Mr. Bates' collection.

73. *LAPHRIA VIOLACEA.*

Fœm. *Violacea; mystax flavidus; antennæ pedesque nigri; abdomen albo punctatum; alæ hyalinæ, posticæ cinereæ.*

Laphria violacea, *Macq. Dipt. Exot. Suppl.* 1, 74, 27.

Colombia.

74. *LAPHRIA SPINIPES.*

Fœm. *Ænea (nunc viridi nunc chalybeo); pedes ferrugini, femoribus incrassatis bidentatis; alæ fusæ.*

Laphria spinipes, *Fabr.*

Brazil.

75. LAPHRIA PRÆPOTENS.

♂œm. *Nigra; abdomen viridi-nigrum, apice rubro tomentosum; alæ fuscæ, fascia alba.*

Laphria præpotens, Macq. Dipt. Exot. Suppl. 1, 74, 28, pl. 7, f. 17.
venne.

76. LAPHRIA ALBITIBIA.

♂œm. *Nigra; thorax albido vittatus; abdomen chalybeum, basi albo pilosum; tibiæ externe albæ; alæ violaceo-nigræ.*

Laphria albitibia, Macq. Dipt. Exot. Suppl. 3, 25, 35, pl. 2, f. 6.
zil. Rio Negro.

♂œm. *Nigra; thorax albo vittatus; abdomen cæruleus nitidus; pedes albo tomentosi; alæ violacæ.*

Laphria albitibialis, Macq. Dipt. Exot. Suppl. 2, 38, 32.
zil.

77. LAPHRIA PYRRHOPYGA.

♂as. *Nigra; thorax fulvo bivittatus; abdominis segmentum apicale et anus rubido-flava; alæ cineræ.*

Laphria pyrrhopyga, Wied. Auss. Zweifl. i. 515, 17.
zil.

Parâ. From Mr. Bates' collection.

78. LAPHRIA ERYTHROPYGA.

♂as. *Nigra; abdomen basi utrinque maculis albo pilosis, in segmento 2o coherentibus; apex rubidus; alæ flavescens, apice fuscæ.*

Laphria erythropyga, Wied.
zil.

Lava. From the East India Company's collection.

79. LAPHRIA LATICORNIS.

Nigra; caput et pectus albido tomentosa, illum albo pilosum; thorax vittis tribus albidis strigisque duabus humeralibus ferrugineis, abdomen purpureo cupreum, apice fulvum; pedes albido hirti; alæ subcineræ, fascia obscuriore.

Black. Head covered with whitish cinereous tomentum, clothed with white hairs. Mystax with black bristles. Eyes aneom. Thorax with three whitish stripes; the lateral pair dilated in front, and emitting a curved band to each side of the thorax; a ferruginous streak on each shoulder. Pectus with whitish tomentum. Abdomen dark purplish bronze; 6th and 7th segments tawny; tip armed with short black spines. Legs with whitish hairs. Wings grayish, darker across the tip of the discal areolet and towards the tips; veins black. Length of the body 5 lines; of the wings 8 lines.

a. Parâ. From Mr. Bates' collection.

80. LAPHRIA VENEZUELENSIS.

Nigra; abdomen incisuris albis; alæ hyalinæ, apice subfusca.

Laphria Venezuelensis, Macq. Dipt. Exot. Suppl. 1, 74, 26, pl. 7, f. 15.

Colombia, Venezuela.

81. LAPHRIA HÆMORRHOÆ.

Mas. Nigra, nigro hirta; abdominis incisuræ albo hirtæ; anus rufo hirtus; alæ basi nigre.

Laphria hæmorrhœa, Wied. Auss. Zweifl. ii. 645, 65.

Bahia.

82. LAPHRIA FASCIPENNIS.

Nigra, crassa; faciei latera flavo hirta; antennarum articulus 3us non obtusus; abdomen læte fulvo pilosum; alæ fusca, fascia lata fulva.

Laphria fascipennis, Macq. Hist. Nat. Dipt. i. 284, 20.

Cayenne.

83. LAPHRIA RUFIPENNIS.

Fœm. Nigra; abdomen basi utrinque testaceum; alæ croceorubida, apice fuscana.

Laphria rufipennis, Wied. Auss. Zweifl. i. 522, 39.

Brazil.

84. LAPHRIA APPENDICULATA.

Mas. Nigra; mystax albidus; anus testaceus; alæ rufescentes.

aphria appendiculata, Macq. *Dipt. Exot. Suppl.* i. 75, 29, pl. 7, f. 18.

Jayenne.

85. LAPHRIA PILIPES.

Nigra; *facies albido pilosa*; *abdominis segmenta setis lateralibus*; *Gum et 7um fulva*; *pedes pilis longis albidis*; *alæ apice subobscuræ*.

Laphria pilipes, Macq. *Hist. Nat. Dipt.* i. 282, 9.

Brazil.

86. LAPHRIA CROCEIVENTRIS.

Nigra; *vibrissæ flavidæ*; *abdomen croceum*; *alæ fuscescentes*, *areolarum discis sublimpidis*.

Laphria croceiventris, Wied. *Dipt. Exot.* i. 234, 5; *Auss. Zweifl.* i. 503, 8.

Brazil.

87. LAPHRIA DICHROA.

Fœm. Mellea; *antennæ et thorax nigra*; *alæ subflavescentes*.

Laphria dichroa, Wied. *Auss. Zweifl.* i. 526, 46.

Brazil.

88. LAPHRIA PROXIMA.

Nigra; *caput albo tomentosum*; *abdomen fulvum*; *alæ luteæ*, *apice cinereæ*.

Very nearly allied to *L. rufipennis*, but the 3rd joint of the antennæ is quite black, the abdomen is wholly tawny, and the wings are luteous for not more than two-thirds of the length; the apical third part and the hind border are gray. Head with white tomentum. *Mystax* with many black and whitish bristles. Legs clothed with cinereous hairs; tarsi beneath with reddish down. Length of the body 5 lines; of the wings 8 lines.

a. Parâ. From Mr. Bates' collection.

89. LAPHRIA CONTUSA.

Nigella; *antennæ fuscescentes*; *thorax vittis obscurioribus*; *abdomen flavum*; *pedes flavo-fusci*; *alæ apud venas subcinereæ*.

Laphria contusa, Wied. *Auss. Zweifl.* i. 587, 25.

Brazil.

90. LAPHRIA AMANDUS.

Laphria Amandus, *Cat. of Diptera*, Pt. 2, 373.

a. Guatemala. From M. Deby's collection.

91. LAPHRIA MESOXANTHA.

Fœm. Nigra; *thorax cinereo hirtus, vittis nigris*; *abdomen subcoccinelleum, ano rufo*; *alæ flavescentes, venis transversis et apicalibus fusco limbatis*.

Laphria mesoxantha, *Wied. Auss. Zweifl.* i. 513, 24. *Macq. Dipt. Exot.* i. 2, 67, 11.

Brazil.

92. LAPHRIA ERYTHROGASTER.

Nigra; *thorax vittis quatuor albidis*; *abdomen subcoccinelleum, ano flavido*; *alæ limpidæ, apice cinereæ*.

Laphria erythrogaster, *Wied. Auss. Zweifl.* i. 523, 41.

Brazil.

93. LAPHRIA VIDUATA.

Mas. Atra; *thorax cano hirtus*; *abdomen fasciis canis*; *alæ nigro-fusce*.

Laphria viduata, *Wied. Zool. Mag.* iii. 50, 14; *Dipt. Exot.* i. 24, 18; *Auss. Zweifl.* i. 528, 50.

Brazil.

94. LAPHRIA PUSILLA.

Mas. Cinerea; *pedes mellei, femoribus crassis externe fuscis*; *alæ subcinereæ*.

Laphria pusilla, *Macq. Dipt. Exot.* i. 2, 68, 13.

Brazil.

95. LAPHRIA MELLIPES.

Nigra; *humeri, pleuræ et pedes flava*; *alæ apice fusco-cinereæ*.

Laphria mellipes, *Wied. Auss. Zweifl.* i. 256, 47.

Brazil.

96. LAPHRIA XANTHOPUS.

♀em. *Nigra; thoracis limbus et pedes lutei; alæ sublimpidæ, apice subcinereæ.*

Laphria xanthopus, Wied. *Auss. Zweifl.* i. 529, 52.

zill.

97. LAPHRIA LIMBATA.

Vigra, crassa; faciei latera flavescencia; mystax niger, subtus flavus; scutellum fulvum; abdominis segmenta marginibus posticis ventrique flavo pilosis; pedes postici femoribus non incrassatis, tibiis non arcuatis.

Laphria limbata (nomen bis lectum), Macq. *Hist. Nat. Dipt.* i. 287, 29.

renne.

98. LAPHRIA MELANURA.

Brulentissime ferruginea; antennæ apice nigre; abdomen apice nigro-cyanæum; pedes fulvi, genubus tibiisque apice nigris; alæ croceæ, apice nigre.

Laphria melanura, Wied. *Auss. Zweifl.* i. 608, 15. Macq. *Dipt. Exot.* i. 2, 67, 10.

zill.

99. LAPHRIA MACULIPENNIS.

♂as. *Testaceæ; mystax flavidus; alæ flavidæ, fusco maculatæ.*

Laphria maculipennis, Macq. *Dipt. Exot. Suppl.* 1, 73, 25, pl. 7, f. 14.

iana.

Capayos. From Mr. Bates' collection.

Africa.

Corpus plus minusve metallicolor.

1. *Alæ nigro-cyanæ.*

A. Caput posticum fulvo hirtum. - - - rufibarbis, Fabr.

B. Caput posticum nigro hirtum.

a. Femora nigra. - - - - - præceps, Walk.

b. Femora tibiisque postica apice nigra. - - - flavipes, Wied.

c. Femora tota fulva. - - - - - Ufens, Walk.

2. *Alæ fuscæ.*

- | | | |
|--------------------------------------|-----------|----------------------------|
| A. Pedes flavi. | - - - - - | varipes, <i>Macq.</i> |
| B. Pedes nigri. | - - - - - | Metalli, <i>Walk.</i> |
| C. Alæ fulvæ. | - - - - - | luctuosa, <i>Macq.</i> |
| D. Alæ subcineræ. | - - - - - | albimaculata, <i>Macq.</i> |
| B. Corpus non metallicolor. | | |
| A. Thorax totus niger. | | |
| A. Pedes nigri. | | |
| a. Corpus obscurum. | | |
| i. Antennæ apice testacæ. | - - | bomboides, <i>Macq.</i> |
| ii. Antennæ nigræ. | | |
| b. Corpus nitidum. | - - - - - | albicincta, <i>Loew.</i> |
| B. Pedes rubidi. | - - - - - | Dymes, <i>Walk.</i> |
| B. Thorax niger, lateribus pallidis. | - - | lateralis, <i>Fabr.</i> |
| C. Thorax fuscus. | - - - - - | tridentata, <i>Fabr.</i> |
| D. Thorax luteo hirtus. | - - - - - | hirtipes, <i>Fabr.</i> |
| E. Thorax pallidus. | | |
| A. Alæ maculatæ. | - - - - - | testacea, <i>Macq.</i> |
| B. Alæ non maculatæ. | - - - - - | Decula, <i>Walk.</i> |

The African Laphriæ in the British Museum comprise the following groups:—

Group 1.

Caput et thorax pilosissima. Facies valde convexa. Mystax densissime setosus. Proboscis longa, valida, apice subarcuata. Antennæ longiusculæ; articulus 3us longifusiformis, 1o et 2o conjunctim multo longior. Pedes validi, hirti, setosi; tarsi spinosi.

Head and thorax very hairy. Face very convex. Mystax very thickly beset with bristles. Proboscis stout, long, very slightly curved near the tip. Antennæ rather long; 3rd joint elongate, fusiform, much longer than the 1st and the 2nd together. Legs stout, hairy and bristly; tarsi spinose. Fore branch of the cubital vein slightly curved; hind branch nearly straight, parallel to the 1st externo-medial vein; 2nd externo-medial straight; 3rd forming a right angle with the præbrachial, and joining the 4th far from the border. Subanal united to the anal very near the border.

Laphria rufibarbis, L. flavipes, L. præceps, L. Ufens, L. albimaculata, L. Dymes.

Group 2.

Corpus latissimum. Caput, thorax, pedes et abdominis latera pilosissima. Facies plana. Mystax densissime hirtus. Proboscis brevis, crassa, lanceolata. Antennarum articulus 3us sublinearis,

10 et apice attenuatus, 10 et 20 conjunctim fere duplo longior. Pedes validi, densissime ciliati.

Body very broad. Head, thorax and sides of the abdomen very hairy. Face flat. Mystax very thick. Proboscis short, thick, piceolate. Third joint of the antennæ nearly linear, tapering at each end, almost twice the length of the 1st and the 2nd together. Legs stout, very thickly ciliated. Fore fork of the cubital vein much curved; hind fork curved, very near the 1st externo-medial, which joins on the border; 2nd straight; 3rd forming a right angle with the præbrachial, joining the 4th far from the border. Subanal and anal united very far from the border.

Aphria hirtipes.

Group 3.

Corpus sublineare, sat angustum, pilis setisque paucis. Facies und epistoma subconvexa. Mystax setis paucissimis. Proboscis longa, recta, gracilis, linearis. Pedes subpilosi.

Body nearly linear, rather narrow, with but few hairs and bristles. Head broader than the thorax. Face slightly convex towards the epistoma. Mystax with about eight bristles. Proboscis long, slender, straight, linear. Thorax broader than the abdomen. Metathorax with a thin tuft of bristles on each side. Legs thinly clothed with short hairs and long slender bristles.

Aphria Decula.

Group 4.

Corpus lineare, sat gracile. Caput dense pilosum. Facies und epistoma convexa. Mystax densissime setosus. Proboscis recta, linearis. Antennarum articulus 3us longifusiformis, 10 et 20 conjunctim paullo longior. Abdomen pubescens, lateribus subpilosis. Thoracis latera pilosa. Pedes sat graciles, pilosi, setosi.

Body linear, rather slender. Head thickly clothed with hairs. Face convex towards the epistoma. Mystax with very numerous bristles. Proboscis straight, linear, moderately long and slender. Third joint of the antennæ elongate, fusiform, a little longer than the 1st and the 2nd together. Sides of the thorax hairy and with a few bristles. Abdomen pubescent, hairy on each side towards the base. Legs hairy, beset with a few bristles, rather slender. Fore fork of the cubital vein slightly undulating; hind fork very slightly curved, nearly parallel to the 1st externo-medial; 2nd externo-medial straight; 3rd forming an obtuse angle with the præbrachial,

joining the 4th very far from the border. Subanal joining the near the border.

Laphria abdominalis.

100. *LAPHRIA RUFIBARBIS*.

Atra ; caput rufo hirtum ; antennæ et pedes rubida.

Laphria rufibarbis, *Fabr.*

Guinea.

101. *LAPHRIA PRÆCEPS*.

Nigra, nigro hirta ; mystax rufo hirtus ; antennæ rufesce abdomen purpureum ; pedes rufescentes ; alæ nigro-purp

Black, clothed with black hairs. Mystax thickly clothed bright reddish hairs. Antennæ dull red. Abdomen purple, bluish and greenish reflections. Legs reddish, with reddish h coxæ and femora black, with black hairs. Wings purplish l Length of the body 11 lines ; of the wings 20 lines.

a. Port Natal. From Mr. Plant's collection.

102. *LAPHRIA FLAVIPES*.

Fœm. Nigra ; abdomen obscure chalybeo-violascens ; pedes femoribus tibiisque apice nigris ; alæ nigro-cyanæ.

Laphria flavipes, *Wied. Dipt. Exot. i. 238, 12 ; Auss. Zweifl. i*

33. *Macq. Dipt. Exot. i. 2, 63, 1.*

Cape.

a. Port Natal. From Dr. Krauss' collection.

103. *LAPHRIA UFENS*.

Laphria Ufens, *Cat. of Diptera, Pt. 2, 372.*

Sierra Leone.

104. *LAPHRIA VARIPES*.

Cyaneo-nigra ; faciei latera alba ; pedes flavi, femoribus, tarsisque apice coxisque nigris, femoribus posticis vix in satis ; alæ fusæ.

Laphria varipes, *Macq. Hist. Nat. Dipt. i. 286, 26.*

Cape.

106. LAPHRIA METALLI.

Laphria Metalli, *Diptera Saundersiana*, Pt. 2, 105.
ape.

107. LAPHRIA LUCTUOSA.

Mas. *Nigra; abdomen elongatum, angustum, recurvum, fasciis duabus albis interruptis, apice cyaneo; pedes longi; alæ fulvæ.*

Laphria luctuosa, *Macq. Dipt. Exot. Suppl.* 2, 37, 31.
megal.

108. LAPHRIA ALBIMACULATA.

Fœm. *Nigra; thorax vittis albo tomentosis; abdomen cyaneo-nigrum, lateribus albo maculatis; alæ subcinereæ.*

Laphria albimaculata, *Macq. Dipt. Exot.* i. 2, 64, 5.
ape. Mauritius.

Var.? *Abdomen cupreum.*

——— ?

109. LAPHRIA BOMBOIDES.

Nigra; antennarum articulus ultimus testaceus; abdominis segmenta quatuor apicalia albicante subflavescente pilosa; alæ subfuscescentes, venis fuscis flavo marginatis. Mas.—*Mystax rufus; thorax antice fulvo pilosus.* Fœm.—*Mystax albidus; thorax antice flavo pilosus.*

Laphria bomboides, *Macq. Expl. Scient. Alg.* iii. Ins. 432, 5, pl. 2, f. 10.

lgeria.

110. LAPHRIA ABDOMINALIS.

Nigra, albido pilosa; facies albo tomentosa; abdominis discus rufescens, rufo pubescens; alæ cinereæ.

Black, clothed with whitish hairs. Face with shining white mentum on each side. Disk of the abdomen above reddish, clothed with red down. Tarsi ferruginous beneath. Wings gray; veins and halteres black. Length of the body 7 lines; of the wings 2 lines.

Algeria. From M. Parzudaki's collection.

111. LAPHRIA ALBICINCTA.

*Atra, nitida ; femora postica valde incrassata ; areola 1a pos-
longe ante alæ marginem clausa.*

*Laphria albicincta, Loew, Bericht Verhandl. Kon. Preuss.
Wissensch. Berl. 1852, 659, 11.*

Mozambique.

112. LAPHRIA DYMES.

Laphria Dymes, Cat. of Diptera, Pt. 2, 377.

L. flavipes, var. ?

Sierra Leone.

113. LAPHRIA LATERALIS.

*Nigra ; thoracis abdominisque latera fulva ; pedes rufi, fem-
atris rufo fasciatis ; alæ nigro-fusæ.*

*Laphria lateralis, Fabr. Syst. Antl. 157, 5. Wied. Dipt. E.
233, 3 ; Auss. Zweifl. i. 501, 4. Macq. Hist. Nat. D
285, 21.*

Guinea.

114. LAPHRIA TRIDENTATA.

*Fœm. Fusca ; abdomen nigrum ; pedes rubidi, femoribus p-
tridentatis ; alæ fusæ.*

Dasypogon tridentatus, Fabr. Syst. Antl. 167, 14.

*Laphria tridentata, Wied. Dipt. Exot. i. 239, 14 ; Auss. Zw
521, 37.*

Guinea.

115. LAPHRIA HIRTIPES.

*Fœm. Nigra ; barba flavescens ; thorax fulvus ; alæ nigra
flavido limpidæ.*

Laphria hirtipes, Fabr.

Guinea.

116. LAPHRIA TESTACEA.

*Fœm. Testacea ; alæ antice subflavæ, postice subfusæ, m
discali punctoque fuscis.*

Laphria testacea, Macq. Dipt. Exot. i. 2, 63, 2.

Cape.

117. LAPHRIA DECUA.

syogon Decula, *Cat. of Diptera*, Pt. 2, 352.
ra Leone.

Mauritius.

Pedes nigri.

1. *Thorax viridi-niger*. - - - submetallica, *Macq.*

3. *Thorax niger*.

A. *Facies albida*. - - - - - *cærulescens*, *Macq.*

B. *Facies non albida?* - - - - - *cyaneogaster*, *Macq.*

Pedes testacei. - - - - - *Breonii*, *Macq.*

Group 1.

Corpus angustum, parce pilosum. Facies plana. Mystax plurimis instructus. Proboscis lanceolata. Antennarum articulus 3us longifusiformis, articulis 1o et 2o conjunctim paullo gravior. Abdomen sublineare, thorace angustius. Pedes sat gravis, setis nonnullis longis instructi.

Fore fork of the cubital vein undulating, much curved near the base; hind fork slightly curved, inclined towards the first external, but at some little distance from it on the border; first and second externo-medial veins straight; third forming an obtuse angle with the præbrachial, joining the fourth at a short distance from the border. Subanal joining the anal very near the border.

Laphria submetallica.

118. LAPHRIA SUBMETALLICA.

Viridi-nigra; abdomen violaceo-nigrum, lateribus albido maculatis; antennæ pedesque nigra; alæ fuscæ.

Laphria submetallica, *Macq. Dipt. Exot.* i. 2, 63, 3.

of France.

119. LAPHRIA CÆRULESCENS.

Nigra; facies albida; mystax niger; abdomen cyaneo purpureoque nitens; segmentorum latera albo notata; alæ fuscæcentes.

Laphria cærulescens, *Macq. Hist. Nat. Dipt.* i. 286, 28.

of France.

120. LAPHRIA CYANEOGASTER.

Fœm. *Nigra*; abdomen *cæruleum*, *albido maculatum*; *alæ fuscæ*.

Laphria cyaneogaster, Macq. *Dipt. Exot.* i. 2, 64, 4.

Laphria cærulescens, Var. ?

Isle of France.

121. LAPHRIA BREONII.

Mas. *Nigra*; abdomen *cærulescens*; *pedes testacei*; *alæ cineræ*.

Laphria Breonii, Macq. *Dipt. Exot.* i. 2, 65, 6.

Isle Bourbon.

Asia.

A. Corpus sat gracile.

A. Corpus plus minusve metallicolor.

a. Alæ nigræ aut nigro-fuscæ.

a. Abdomen maculis humeralibus albis. scapularis, *Wied.*

b. Corpus non albo varium. - - Taphius, *Wied.*

B. Alæ infumatæ, basi flavidæ. - - spectabilis, *Gubr.*

c. Alæ fuscæ.

a. Abdomen nigrum. - - laterepunctata, *Macq.*

b. Abdomen viride. - - elegans, *Wied.*

D. Alæ ferruginæ. - - horrida, *Wied.*E. Alæ fulvæ, areolarum discis sublimpidis. - - dira, *Wied.*F. Alæ hyalinæ, postice fuscæ. - - aurifacies, *Macq.*

B. Corpus non metallicolor.

A. Alæ nigricantes.

a. Pedes nigri.

i. Alæ dimidiato nigricantes. - - dimidiata, *Macq.*

ii. Alæ totæ nigricantes. - - chrysotelus, *Wied.*

b. Pedes mellei.

i. Alæ nigræ, dimidio basali flavo. leucoprocta, *Wied.*

ii. Alæ nigricantes, dimidio basali sublimpido.

Javana, *Macq.*

iii. Alæ nigellæ. - - Vulcanus, *Wied.*

B. Alæ fuscæ.

a. Abdomen apice pallidum. - - crassipes, *Fabr.*

b. Abdomen apice nigrum. - - Tucca, *Wied.*

C. Alæ cineræ. - - Elva, *Wied.*

D. Alæ subcineræ, fasciis duabus subfuscescentibus.

E. Alæ flavescents, margine postico nigello.

triangularis, *Wied.*

a. Thorax fulvus. - - Reinwardtii, *Wied.*

- b.** Thorax niger, aureo tomentosus. - fervens, *Walk.*
F. Alæ fulvæ, marginibus posticis cinereis.
a. Femora nigro vittata. - - - - - sæva, *Walk.*
b. Femora non vittata. - - - - - constricta, *Walk.*
a. Alæ fulvæ, apicibus marginibusque posticis cinereis.
aurigena, *Walk.*
H. Alæ flavescentes.
a. Pedes nigri. - - - - - Bengalensis, *Wied.*
b. Pedes pallidi.
i. Thorax aurato hirtus, vittis nigellis. alternans, *Wied.*
ii. Thorax rufo pubescens. - - - - - luteipennis, *Macq.*
C. Thorax cinereus, vittis nigricantibus. heteroneura, *Macq.*
D. Thorax fulvus, fusco vittatus. - - - - - senomera, *Macq.*
E. Thorax luteus. - - - - - gigas, *Macq.*

Asiatic groups.

Group 1.

Venula discalis et vena externo-media conjunctæ.

Structure of *L. bimaculata*.

Discal veinlet and first externo-medial vein in one line.

aphria scapularis, *Wied.*

Group 2.

Corpus gracile, pilis setisque paucis. Facies plana. *Mystax* urce setosus. Proboscis brevis, robusta, recta, lanceolata. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim paullo longior. Pedes setosi, sat graciles.

Body slender, with a few hairs and bristles. Face flat. *Clypeus* with a few bristles. Proboscis short, stout, straight, lanceolate. Third joint of the antennæ elongate-fusiform, rather longer than the first and the second together. Legs bristly, rather slender. Fore fork of the cubital vein slightly undulating; hind fork slightly curved, inclined to the first externo-medial, but at some distance from it on the border; first and second externo-medial veins straight; third forming an obtuse angle with the præbrachial, adjoining the fourth very near the border. Subanal united to the anal very near the border.

aphria Taphius, *Walk.*

Group 3.

Corpus gracile, longiusculum, lineare, subpubescens, parce setosum. Facies apud epistoma convexa. Mystax setis nonnullis longissimis. Proboscis longa, recta, linearis, gracilis. Antennæ longæ; articulus 3us sublinearis, 1o et 2o conjunctim fere duplo longior. Pedes graciles, sat longi, breviter pilosi et subsetosi; tibiæ anticæ intus subciliatæ.

Body slender, linear, rather long, slightly pubescent, with a few bristles. Face convex towards the epistoma. Mystax with several very long and slender bristles. Proboscis long, straight, slender, linear. Antennæ long; third joint very slightly tapering towards each end, nearly twice the length of the first and second together. Legs rather long and slender, somewhat hairy, with a few bristles. Fore fork of the cubital vein hardly undulating; hind fork hardly curved, slightly inclined towards the first externo-medial; first and second externo-medial nearly straight; third forming a very obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal near the border.

Laphria elegans, Walk.

Group 4.

Corpus latum, pilis setisque perpaucis. Facies apud epistoma convexa. Mystax setis octo. Proboscis longa, valida, recta. Antennarum articulus 3us longissimus, sublinearis, basi apiceque subattenuatus, 1o et 2o conjunctim duplo longior. Abdomen setis paucis lateralibus. Pedes valde robusti, breviter pilosi, parce setosi.

Body broad, with very few hairs and bristles. Face convex towards the epistoma. Mystax with eight bristles. Proboscis long, stout, straight. Third joint of the antennæ very long, nearly linear, slightly tapering towards each end, about twice the length of the first and the second together. Abdomen with a few bristles along each side. Legs very stout, clothed with short hairs and with a few bristles. Fore branch of the cubital vein hardly undulating; hind branch nearly straight; first and second externo-medial veins straight; third forming a very obtuse angle with the præbrachial, joining the fourth near the border. Subanal joining the anal very near the border.

Laphria vulcanus, Wied.; *L. alternans*, Wied.; *L. fervens*, Walk.

Group 5.

is pilis setisque paucis. Facies apud epistoma valde constax raro pilosus et setosus. Proboscis longa, recta. Anticubitalis articulus 3us longus, gracilis, linearis, arcuatus, longior. Pedes validi, dense pilosi, parce setosi; femora

with a few hairs and bristles. Face very convex towards antenna. Mystax with some hairs and a few bristles. Proboscis straight. Third joint of the antennæ long, slender, curved upward, about twice the length of the first. Legs very clothed with long hairs and with a few bristles; femora forks of the cubital vein nearly straight; first and second cubital veins straight; third forming an obtuse angle, and fourth rather near the border. Subanal united to the border.

einwardtii, Wied.; *L. sæva*, Walk.; *L. constricta*,

Group 6.

is lineare, longiusculum. Caput, thoracis abdominisque setis dense hirta. Facies apud epistoma convexa. Proboscis setosissima. Proboscis longa, recta, gracilis, linearis. Femora; femora sat crassa.

linear, rather long. Head, sides of the thorax and of the hind legs very hairy. Face convex towards the epistoma. Very thickly setose. Proboscis long, straight, slender, legs stout; femora rather thick. Fore fork of the cubital vein straight; hind fork and first externo-medial vein parallel to each other; second externo-medial straight; forming an obtuse angle with the præbrachial, joining the same distance from the border. Subanal joining the anal border.

mysotelus, Walk.; *L. horrida*, Walk.; *L. dira*, Walk.

Group 7.

is latum, valde hirtum et setosum. Facies subconvexa. Proboscis setosissima. Proboscis gracilis, recta, sublinearis. Anticubitalis articulus 3us ellipticus, long paullo brevior. Abdomen. Pedes robusti, hirsutissimi, setis plurimis crassissimis; tibie posticæ arcuatæ.

Fore fork of the cubital vein undulating; hind fork very slightly curved, united to the first externo-medial very near the border; first and second externo-medial veins nearly straight; third forming a slightly obtuse angle with the præbrachial, joining the fourth at a long distance from the border. Subanal joining the anal very near the border.

Laphria Elva, Walk.

122. LAPHRIA SCAPULARIS.

Fœm. *Nigra*; *nigro hirta*; *maculæ humeralis albæ*; *abdomen chalybeum*; *alæ nigræ*.

Laphria scapularis, Wied. *Auss. Zweifl.* i. 516, 29.

a. Java. From the East India Company's collection.

This species has a remarkable resemblance to the Brazilian *L. bimaculata*, but the following characters will sufficiently distinguish them:—

Laphria bimaculata.

Head clothed beneath with whitish hairs.

Mystax with white and with a few black bristles.

Legs rather thickly clothed with hairs, part of which are whitish; tarsi and fore tibiæ ferruginous beneath.

Discal veinlet and third externo-medial vein apart.

Laphria scapularis.

Head clothed beneath with black hairs.

Mystax wholly composed of black bristles.

Legs wholly and rather thinly clothed with black hairs.

Discal veinlet and third externo-medial vein in one line, as in the genus *Atomosia*.

123. LAPHRIA TAPHIUS.

Laphria Taphius, Cat. of *Diptera*, Pl. 2, 380.

124. LAPHRIA SPECTABILIS.

Viridi nitens; *thorax antice flavo maculatus*; *abdomen cyaneum*; *tibiæ antice intus sericeo flavidæ*; *alæ infumate, basi flavidæ*.

Laphria spectabilis, Guér. *Voy. de la Coquille*, Zool. ii. 292.

Laphria splendida, Guér. *Voy. de la Cog. Atlas, Ins.* pl. 20, f. 7.

Amboina.

125. LAPHRIA LATEROPUNCTATA.

œm. Nigra; thorax ænescens, lateribus albo maculatis; alæ fuscæ.

hria lateropunctata, Macq. Dipt. Exot. i. 2, 66, 9.

na.

126. LAPHRIA ELEGANS.

Æneo-viridis; caput, pectus thoracis maculæ humerales abdominisque maculæ laterales albo tomentosa; antennæ et proboscis nigra; pedes purpurei; alæ cineræ, venis fusco limbatis.

Bright green, here and there with an æneous tinge. Head, two humeral spots, and spots along the sides of the abdomen, shining white tomentum. Antennæ and proboscis black. Legs blue; femora partly green or blue; tarsi black; fore tibiæ fringed with whitish hairs. Wings gray, brownish about the veins. Length of the body 8 lines; of the wings 16 lines.

East Indies. From Mr. Stevens' collection.

127. LAPHRIA HORRIDA.

Nigra; caput aureo tomentosum; thorax vittis duabus lateralibus auratis; abdomen cupreo nigrum; tibiæ anteriores subtus rufescentes; alæ ferrugineæ.

Black, hairy. Head with gilded tomentum, clothed with gilded hairs above and with brownish hairs beneath. Face very convex. Maxilla with gilded bristles and with a few black lower bristles. Proboscis long, lanceolate compressed. Thorax with two gilded spots. Pectus with a gilded spot on each side. Abdomen cupreous black. Legs with very long hairs; hind tibiæ curved with reddish hairs at the tips; anterior tibiæ reddish beneath and clothed with whitish hairs. Wings and halteres ferruginous, the latter with black tips. Length of the body 15 lines; of the wings 28 lines.

Sumatra. From Sir Stamford Raffles' collection.

128. LAPHRIA DIRA.

Nigricans; caput aureo tomentosum; antennæ basi fulvæ; thorax fulvo tomentosus, vittis duabus auratis duabusque nigricantibus; abdomen cupreo-nigrum, segmentis 1o 3um fulvo fasciatis; pedes fulvi, femoribus nigro vittatis; alæ fulvæ, areolarum discis sublimpidis.

Blackish. Head with gilded tomentum beneath. Face slightly convex. Mystax with tawny bristles. Proboscis black, short, lamellate rather slender. Antennæ tawny; third joint blackish, nearly linear, slightly tapering towards the tip, about twice the length of the first and second joints together. Thorax with tawny tomentum; two indistinct blackish dorsal stripes, and two broader lateral gilded stripes. Pectus with a pale gilded disk. Abdomen cupreous black; first, second and third segments with tawny bands which are dilated on each side. Legs tawny, hairy, spinose; femora with black stripes, which are broadest on the hind pair; hind tibiæ much curved. Wings tawny; most of the areolets with nearly limpid streaks. Halteres tawny. Length of the body 13 lines; of the wings 24 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

129. LAPHRIA AURIFACIES.

Mas. *Nigra; facies aurea; abdomen violaceum, maculis lateribus flavidis; alæ antice hyalinae, postice fuscae.*

Laphria aurifacies, Macq. *Dipt. Exot. Suppl.* 3, 22, 33, pl. 2, f. 6.
Moluccas.

130. LAPHRIA DIMIDIATA.

Mas. *Nigra; thorax vittatus; alæ dimidiato nigrae.*

Laphria dimidiata, Macq. *Dipt. Exot. Suppl.* 1, 72, 23.
Mauilla.

131. LAPHRIA CHRYSOTELUS.

Nigra, nigro hirta; caput, thorax anticus et abdomen apicem versus aurato hirta; alæ nigricantes.

Black, thickly clothed with black hairs and bristles. Head thickly clothed with gilded tomentum and hairs, and about the mouth with black hairs. Mystax of gilded hairs. Fore part of the thorax with gilded hairs, which are interrupted by a brownish stripe. Abdomen with gilded hairs near the tip, which is ferruginous. Wings blackish; veins black. Length of the body 13 lines; of the wings 22 lines.

a. East Indies. From Mr. Stevens' collection.

132. LAPHRIA LEUCOPROCTA.

Nigra; thorax orichalceo pictus; scutellum, abdominis basis maculaeque laterales niveo pilosa; pedes mellei; alæ nigrae, dimidio basali flavo.

Laphria leucoprocta, Wied. *Auss. Zweifl.* i. 517, 30.

133. LAPHRIA JAVANA.

Las. *Nigra*; *facies, humeri et thoracis latera albida*; *abdomen basi album, lateribus albo maculatis*; *pedes flavi, tarsi apice coxisque nigris*; *alæ sublimpidæ, dimidio apicali nigris*.

Laphria Javana, Macq. *Hist. Nat. Dipt.* i. 282, 10.

134. LAPHRIA VULCANUS.

Em. *Nigra*; *thorax et abdomen aurato-picta*; *pedes mellei; alæ nigellæ*.

Laphria Vulcanus, Wied. *Auss. Zweifl.* i. 514, 25.

Lava. From the East India Company's collection.

135. LAPHRIA CRASSIPES.

Nigra; *frons aurea*; *abdomen apice testaceo rubens*; *femora clavata*; *alæ fuscæ*.

Laphria crassipes, Fabr. *Syst. Antl.* 152, 16.

Laphria crassipes, Wied. *Dipt. Exot.* i. 240, 16; *Auss. Zweifl.* i. 521, 38.

Lava.

136. LAPHRIA TUCCA.

Laphria Tucça, Cat. of *Diptera*, Pt. 2, 437.

137. LAPHRIA ELVA.

Laphria Elva, Cat. of *Diptera*, Pt. 2, 445.

Lava Bengal.

138. LAPHRIA TRIANGULARIS.

Nigricans, *aureo tomentosa*; *antennæ basi fulvæ*; *thorax nigro-fusco trivittatus*; *abdomen nigrum, segmentis fulvo fasciatis*; *pedes fulvi*; *alæ subcinereæ, fasciis duabus subfuscis*.

Head and thorax blackish, with gilded tomentum. Head shagreened beneath with pale gilded hairs. Face hardly convex. Mouth small, with gilded bristles; some pale gilded hairs between the antennæ. Antennæ black; first and second joints tawny. Thorax with three broad confluent blackish brown stripes; the humeral pair shortened in front. Abdomen black, shining; first, second, third and fourth dorsal segments with tawny bands, which

are dilated on each side; fifth segment wholly black; sixth tawny. Legs tawny, with long hairs and bristles; posterior knees black. Wings slightly grayish, with two indistinct pale brownish bands; veins black, tawny at the base. Halteres testaceous. Length of the body 7 lines; of the wings 14 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

139. LAPHRIA REINWARDTII.

Mas. *Fulva*; *thorax fusco vittatus*; *abdomen nigrum, fulvifasciatum*; *alæ flavæ, margine interno nigellæ*.

Laphria Reinwardtii, Wied.

140. LAPHRIA FERVENS.

Nigra; *aureo tomentosa*; *thorax nigro-fusco trivittatus*; *abdominis segmenta marginibus posticis ferrugineis*; *pedes fulvi, femoribus posticis nigro fasciatis*; *alæ fulvæ, marginibus posticis nigris*.

Black. Head and thorax with gilded tomentum. Head thickly clothed beneath with tawny hairs. Mystax thick, reddish tawny. Antennæ black. Thorax with three brownish black stripes, the lateral pair shortened in front and contracted behind. Pectus with pale gilded tomentum, excepting a piceous stripe along each side. Hind borders of the abdominal segments ferruginous. Legs tawny, thickly clothed with long tawny hairs; coxæ black, shining; hind femora with a blackish band, which is interrupted on each side. Wings tawny, blackish along the hind border; veins reddish. Length of the body 11 lines; of the wings 20 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

141. LAPHRIA SEVA.

Nigricans; *caput aureo tomentosum*; *thorax vittis duabus aureis fusco interrupte interlineatis*; *abdominis margines fulvi*; *pedes fulvi*; *femoribus nigro vittatis*; *alæ fulvæ, marginibus posticis cinereis*.

Blackish. Head with pale gilded tomentum, thickly clothed with long gilded hairs. Face very convex. Mystax thick. Proboscis straight, long, linear, compressed. Thorax with two broad gilded stripes, each containing two large brownish spots. Pectus with a pale gilded disk. Hind borders of the abdominal segments tawny. Legs tawny; femora with black stripes, which are broadest on the hind pair. Wings tawny; hind borders gray. Halteres pale tawny. Length of the body 11 lines; of the wings 18 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

142. LAPHRIA CONSTRICTA.

Nigricans; caput aureo tomentosum; antennæ fulvæ; thoracis vittæ duæ auratæ maculis quatuor nigricantibus testaceo marginatis variegatæ; abdomen basim versus subcontractum, segmentis 1o et 2o fulvis nigro maculatis, apice fulvo; pedes fulvi, tibiis posticis nigro fasciatis; alæ fulvæ, cinereo marginatæ.

Blackish. Head with pale gilded tomentum and hairs. Face lightly convex. Mystax thick. Proboscis tawny, lanceolate, rather short and slender. Antennæ tawny; third joint fusiform, a little longer than the first and second together. Thorax with two broad gilded stripes, each including two blackish testaceous bordered spots; hind part gilded with a blackish spot on the scutellum and another behind. Abdomen fusiform, somewhat contracted near the base; first and second segments tawny, each with a blackish rhomboidal dorsal spot; tip tawny. Legs tawny; hind knees blackish; hind tibiae with a blackish band. Wings tawny; hind borders and tip greyish; veins and halteres tawny. Length of the body 8 lines; of the wings 13 lines.

Sumatra. From Sir Stamford Raffles' collection.

143. LAPHRIA AURIGENA.

Harades aurigena, *Diptera Saundersiana*, Pt. 2, 109, pl. 4, f. 8.
Java or Sumatra.

144. LAPHRIA BENGALENSIS.

Mas. Nigra; abdominis incisuræ utrinque albidæ; alæ flavescentes.

Laphria Bengalensis, *Wied. Dipt. Exot.* i. 237, 10. *Auss. Zweifl.* i. 512, 22.

Bengal.

145. LAPHRIA ALTERNANS.

Fœm. Aurato hirta; thorax vittis nigellis; abdomen nigrum, fasciis aurato hirtis; pedes mellei; alæ flavidæ, apicibus marginibusque posticis cinereis.

Laphria alternans, *Wied. Zweifl.* i. 511, 20.

var.? *Asilus apicata*, *Cat. of Diptera*, Pt. 2, 436.

Java. From the East India Company's collection.

146. *LAPHRIA LUTEIPENNIS*.

Mas. *Nigra*; antennæ basi fulvæ; thorax rufo pubescens; palpe-
alæque luteæ.

Laphria luteipennis, Macq. *Dipt. Exot. Suppl.* 3, 23, 84, pl. 2,
Java.

147. *LAPHRIA HETERONEURA*.

Mas. *Nigra*; thorax cinereus, nigricante vittatus; abdomin-
tanum; pedes rufi; alæ subflavescentes, vena cubitalis
postica et vena externo-medial 1a ante marginem conjuncti

Laphria heteroneura, Macq. *Dipt. Exot.* i. 2, 70, 19, pl. 6, f. 3.
Arabia.

148. *LAPHRIA SENOMERA*.

Mas. *Fulva*; thorax fusco-vittatus; abdomen fuscum, f-
fasciatum; alæ flavidæ.

Laphria senomera, Macq. *Dipt. Exot.* i. 2, 6, 5, 8, pl. 6, f. 2.
Bengal.

149. *LAPHRIA GIGAS*.

Mas. *Nigra*; thorax, pedes alæque luteæ; femora post-
nigra.

Laphria gigas, Macq. *Dipt. Exot.* i. 2, 65, 7.
East Indies.

New Guinea, &c.

Group 1.

Corpus metallicum, parce pilosum et setosum. Facies p-
Mystax setis paucis. Proboscis compressa, recta, linearis. A-
narum articulus 1us 2o multo longior; 3us fusiformis, 1o 1-
longior. Pedes hirti; femora non crassa; tibiæ posticæ fere r-

Proboscis compressed vertically. Radial vein curved ne-
tip. Fore fork of the cubital slightly undulating; hind for-
first externo-medial vein nearly straight, hardly inclined to e-
each other. Third externo-medial curved, forming an obtuse i-
with the præbachial, which is slightly curved, joining the four-
from the border. Subanal joining the anal on the border.

Laphria aurifrons, Walk.

150. LAPHRIA DOREI.

Thorax fulvus, vitta fusca; abdomen alæque fusca.
Pygopon Dorei, Boisdual, Voy. de l'Astrolabe, Atlas Entomol. pl.
12, f. 10.
Laphria Dorei, Macq. Dipt. Exot. i. 2, 67, 10.

151. LAPHRIA IODISOMA.

Fusco-cuprea; abdomen cyaneum; alæ fusca.
Laphria iodisoma, Boisd. Voy. de l'Astrolabe, Atlas, Ent. pl. 12, f. 9.
Guinea.

152. LAPHRIA CYANEA.

Viridi-cyanea; caput, pectus et humeri nigra, albo tomentosa;
frons et facies aureæ; abdominis latera albo maculata; pedes
purpureo-cyanei, tarsi nigris; alæ nigrae, basi sublimpidæ.
Laphria cyanea, Macq. Hist. Nat. Dipt. i. 286, 27.

Greenish blue. Head, pectus and humeral spots black, with
 white tomentum. Front and face gilded and with gilded hairs.
 Antæ with a few black bristles. Hind borders of the abdominal
 segments with lateral spots of white tomentum. Legs purplish blue;
 tarsi black. Wings black, nearly limpid towards the base. Length
 of the body 6 lines; of the wings 11 lines.

This species much resembles *L. aurifacies*, but differs in the
 colour of the wings and of the abdominal spots.

New Guinea.

Aneiteum, New Hebrides. From the Voyage of H.M.S. Herald.
 Collected by J. Macgillivray, Esq.

Australia.

Corpus plus minusve metallicolor.

34. Pedes nigri.

A. Abdomen cyaneum. - - - - Tectamus, Walk.

B. Abdomen æneum. - - - - splendidissima, Wied.

B. Femora fulva. Alæ fusca. - - - rufifemorata, Macq.

C. Femora dimidio basali flavo. Alæ limpidæ, fusca variæ.

Telecles, Walk.

Corpus non metallicolor. - - - - Amaracus, Walk.

Group 1.

Caput hirsutissimum. Facies apud epistoma valde convexa.

Mystax setis paucis. Proboscis valida, subarcuata. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim æqualis. Thorax subpubescens; latera subpilosa. Abdomen pubescens, basi pilosum et tomentosum, lateribus subsetosis. Pedes validi, pilosi, setis paucis; tarsi spinosi.

Head very hairy. Face very convex towards the epistoma. *Mystax* with a few bristles. Proboscis stout, slightly curved. Third joint of the antennæ fusiform, as long as the first and second together. Thorax thinly pubescent, slightly hairy on each side. Abdomen pubescent, with a few bristles on each side, hairy and tomentose towards the base. Legs stout, hairy, with a few bristles; tarsi spinose. Fore fork of the cubital vein much curved near the base, slightly curved from thence to the tip; hind fork very slightly curved, joining the first externo-medial vein near the border; first and second externo-medial veins straight; third curved abruptly hindward, and joining the fourth far from the border. Subanal united to the anal at some distance from the border.

L. Tectamus, Walk.

Group 2.

Caput hirsutissimum. Facies apud epistoma convexa. Mystax dense setosus. Proboscis longa, recta. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim multo longior. Thoracis et abdominis latera pilosa. Pedes validi, pilosi, setosi; femora crassa; tibiæ posticæ arcuatæ.

Head very hairy. Face convex towards the epistoma. *Mystax* thickly beset with bristles. Proboscis long, straight. Third joint of the antennæ fusiform, much longer than the first and the second together. Thorax and abdomen hairy on each side. Legs stout, hairy, setose; femora thick; hind tibiæ curved. Fore fork of the cubital vein undulating; hind fork inclined towards, but not united to the first externo-medial; second externo-medial straight; third forming an obtuse angle with the præbrachial, joining the fourth at some little distance from the border. Subanal joining the anal very near the border.

L. Telecles, Walk.

Group 3.

Corpus robustum. Caput et thorax setosa. Facies lata, plana, apud epistoma convexa. Mystax setis plurimis. Proboscis brevis, valida, recta, lanceolata. Antennarum articulus 3us gracilis, sublinearis, 1o et 2o conjunctim paullo longior. Abdomen obconicum, breviusculum, subpilosum. Pedes validi, setosi, non pilosi; femora tibiis non crassiora.

Body stout. Head and thorax setose. Face broad, flat. *Mystax* seated on a convex tubercle, beset with numerous bristles. *Proboscis* short, stout, straight, lanceolate. Third joint of the antennæ slender, nearly linear, rather longer than the first and the second together. Abdomen rather short, tapering from the base to the tip, thinly clothed with hairs. Legs, stout, bristly, not hairy; femora not thicker than the tibiæ. Fore fork of the cubital vein curved forward; hind fork almost straight, slightly inclined to the first externo-medial, but at some distance from it on the border; first externo-medial nearly straight; second slightly curved; third forming a very obtuse angle with the præbrachial, inclined towards the fourth, but remote from it on the border. Subanal very near the anal on the border.

L. Amaracus, *Walk.*

153. *LAPHRIA TECTAMUS.*

Laphria Tectamus, *Cat. of Diptera*, Pt. 2, 374.

New Holland.

154. *LAPHRIA SPLENDIDISSIMA.*

Obscure aenea; antennæ et pedes nigra; abdomen splendidissime aeneum, fasciis linearibus luteis; alæ fuscescentes.

Laphria splendidissima, *Wied. Auss. Zweifl.* ii. 645, 64.

New Holland.

155. *LAPHRIA RUFIFEMORATA.*

Form. Nigra; abdomen cyaneum; femora fulva; alæ fuscae.

Laphria rufifemorata, *Macq. Dipt. Exot. Suppl.* 1, 73, 24, pl. 7, f. 16.

Tasmania.

156. *LAPHRIA TELECLEs.*

Laphria Telecles, *Cat. of Diptera*, Pt. 2, 376.

New Holland.

157. *LAPHRIA AMARACUS.*

Laphria Amaracus, *Cat. of Diptera*, Pt. 2, 380.

New Holland.

Country unknown.

A. Alæ nigrae, ant fusco-nigrae.

A. Corpus submetallico nigrum. - - melanoptera, *Wied.*

- B. Corpus scoriaceo nigrum. - - - robusta,
 C. Abdomen testaceum. - - - bicolor,
 D. Thorax apice et abdomen basi flava. nigripennis,
 B. Alæ fuscæ. - - - bicolor,
 C. Alæ subfusæ, postice sublimpidæ. - - Tidius,
 D. Alæ medio fuscæ. - - leucospila,
 E. Alæ flavæ, macula violacea. - - notabilis,
 F. Alæ flavæ, apice fuscæ. - - flavipennis,
 G. Alæ flavæ. - - -
 A. Pedes nigri.
 a. Abdomen totum nigrum. - - - senopeza,
 b. Abdomen apice testaceum. - - - gracilis,
 B. Pedes rubidi. - - - xanthoptera,
 H. Alæ apud apices flavidæ. - - - hirsuta,
 I. Alæ cineræ. - - - picipes,
 J. Alæ limpidæ, apice fuscæ. - - chrysocosmia,
 K. Alæ albæ. - - - Alebas,

Group 1.

Corpus latissimum, densissime pilosum, non setosum. convexa, densissime hirta. Proboscis latissima, recta, li Antennarum articulus 3us subfusiformis, 1o et 2o conjunctim longior. Pedes robusti, valde pilosi; femora crassa.

Body very broad, very thickly clothed with short hair setose. Face convex, thickly covered with hairs, which for mystax. Proboscis linear, straight, very broad. Third joint antennæ very much longer than the first and the second together, slightly increasing in breadth from the base to three-fourths length, whence it tapers to the tip. Legs hairy, very stout; thick. Fore fork of the cubital vein very slightly undulating fork and first externo-medial vein nearly straight, parallel to other; second externo-medial straight; third forming a small obtuse angle with the præbrachial, joining the fourth far from border. Subanal joining the anal at some distance from the lateral margin. Laphria Tidius, Walk.

Group 2.

Laphria tergissæ structura.

Structure of *L. tergissa* and of the other species in the American group.

Laphria Alebas, Walk.

Group 3.

Laphria rufibarbis structura.

Structure of *L. rufibarbis* and of the other species in the first African group.

158. LAPHRIA MELANOPTERA.

Mas. *Submetallico hirta ; mystax et barba alba ; alæ nigrae.*
Laphria melanoptera, Wied. Auss. Zweifl. i. 514, 26.

159. LAPHRIA ROBUSTA.

Mas. *Scoriaceo-nigra ; caput et tibiæ anticæ subtus albo hirta ; alæ nigrae.*
Laphria robusta, Wied. Auss. Zweifl. i. 500, 2.

160. LAPHRIA BICOLOR.

Fœm. *Nigra ; abdomen testaceum ; alæ fusco-nigrae ; halteres flavi.*
Laphria bicolor, Wied. Auss. Zweifl. i. 522, 40.

161. LAPHRIA NIGRIPENNIS.

Nigra ; thorax apice et abdomen basi flava ; alæ nigrae.
Laphria nigripennis, Wied. Auss. Zweifl. ii. 646, 66.

162. LAPHRIA BICOLOR (nomen bis lectum).

Mas. *Nigra ; caput, thorax et pedes antici flavo pilosa ; abdomen et pedes postici nigro pilosa ; tibiæ posticæ supra basi flavo pilosa ; alæ fuscæ.*
Laphria bicolor, Macq. Hist. Nat. Dipt. i. 283, 14.

163. LAPHRIA TIDIUS.

Laphria Tadius, Cat. of Diptera, Pt. 2, 384.

164. LAPHRIA LEUCOSPILA.

Fœm. *Nigra ; abdomen utrinque maculis quatuor transversis albis ; alæ medio fuscæ.*
Laphria leucospila, Wied. Auss. Zweifl. i. 524, 44.

165. LAPHRIA NOTABILIS.

Mas. *Fulva*; *alæ flavæ, macula violacea.*

Laphria notabilis, Macq. Dipt. Exot. i. 2, 71, 20.

166. LAPHRIA FLAVIPENNIS.

Mas. *Atra*; *thorax flavescens tomentosus*; *abdomen micans, incisuris flavidis*; *tibiæ fulvæ*; *alæ flavæ fuscæ.*

Laphria flavipennis, Macq. Dipt. Exot. i. 2, 71, 21.

167. LAPHRIA SENOPEZA.

Mas. *Nigra*; *barba mystaxque flavida*; *alæ flavidæ, ar postica angustata.*

Laphria senopeza, Macq. Dipt. Exot. i. 2, 70, 19.

168. LAPHRIA GRACILIS.

Mas. *Gracilis, nigra*; *abdomen apice testaceum*; *alæ flavæ*

Laphria gracilis, Macq. Dipt. Exot. i. 2, 70, 22.

169. LAPHRIA XANTHOPTERA.

Nigra; *antennæ elongatæ*; *pedes rubidi*; *alæ flavæ.*

Laphria xanthoptera, Wied. Auss. Zweifl. i. 530, 54.

170. LAPHRIA HIRSUTA.

Mas. *Scoriaceo-nigra, albo hirta*; *abdomen utrinque trigonis albis*; *alæ apud apicis flavidæ.*

Laphria hirsuta, Wied. Auss. Zweifl. i. 519, 19.

171. LAPHRIA PICIPES.

Obscure cuprea, nigro hirta; *caput subtus testaceo pilifacies aureo pubescens*; *mystax nigro setosus*; *antennæ: abdomen incisuris utrinque albis, apice piceo*; *pedes tibiis tarsisque anticis subtus aureo tomentosis*; *alæ cin*

Dark cupreous, clothed with short black hairs. Head be with pale testaceous hairs. Face with gilded down. Mystax: black bristles. Proboscis and antennæ black. Abdomen cup hind borders of the segments white on each side; tip pi Legs piceous, very hairy; fore tibiæ and fore tarsi beneath

lded down. Wings gray; veins black. Halteres testaceous. Length of the body 5 lines; of the wings 8 lines.

——? From Mr. Children's collection.

172. LAPHRIA CHRYSOCOSMIA.

Mas. *Nigra; facies et mystax alba; abdomen apice aurato hirtum; alæ limpidæ, apice fuscæ.*

Laphria chrysocosmia, Wied. *Auss. Zweifl.* i. 523, 42.

173. LAPHRIA ALEBAS.

Laphria Alebas, *Cat. of Diptera*, Pt. 2, 384.

Genus 5. SCANDON.

Corpus fere nudum. Mystax dense setosus. Antennarum articulus 2us 1o vix brevior; 3us subfusiformis, 1o et 2o conjunctim re duplo longior. Abdomen *feminae* longi-obconicum, apice inis armatum.

Scandon, *Diptera Saundersiana*, Pt. 2, 108.

Forks of the cubital vein nearly straight, the hind fork and the 1st externo-medial vein slightly converging; second externo-medial straight; third forming an obtuse angle with the præbrachial, much inclined towards the fourth, but at some little distance from it on the border. Subanal joining the anal on the border.

1. SCANDON COMPACTUS.

Scandon compactus, *Diptera Saundersiana*, Pt. 2, 108, pl. 4, f. 7.

from South Wales.

Genus 6. NUSA.

Corpus longiusculum, pilosum. Mystax setis nonnullis. Antennarum articulus 1us 2o longior; 3us subclavatus 1o paullo longior et multo latior. Pedes pilosi; femora gracilia; tibiæ subnate.

Nusa, *Diptera Saundersiana*, Pt. 2, 105.

Fore fork of the cubital vein slightly undulating; hind fork united to the first externo-medial vein at some distance from the border; second externo-medial straight; third forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal at some distance from the border.

1. NUSA ÆQUALIS.

Nusa æqualis, *Diptera Saundersiana*, Pt. 2, 105.

East Indies.

2. NUSA FORMIO.

Nusa Formio, *Diptera Saundersiana*, Pt. 2, 106.

East Indies.

Genus 7. AMPYX.

Corpus gracile, nitens, raro pubescens. Mystax breviter pilosus. Proboscis lanceolata, porrecta. Antennarum articulus 3us latus, ovatus, 1o et 2o conjunctim brevior. Pedes longi, graciles, et parvi setosi; tibiæ posticæ clavatæ; tarsi postici dilatati.

Body slender, shining, thinly covered with down. Face slightly convex towards the epistoma. Mystax with some short hairs. Proboscis porrect, lanceolate. Third joint of the antenna broad, oval, not so long as the first and the second together. Legs long, slender, with a few bristles, which are longest on the tibiæ; hind tibiæ clavate; hind tarsi incrassated. Wings rather long and narrow. Fore fork of the cubital vein slightly undulating; hind fork very slightly curved, almost parallel to the first externo-medial; second externo-medial straight; third forming an obtuse angle with the præbrachial, joining the fourth very near the border. Subanal joining the anal on the border.

Megapoda crassitarsis and *M. cyaneiventris*, *Macy*. may belong to this genus.

1. AMPYX VARIPENNIS.

Niger; antennarum articulus 3us et pedes rufi; tibiæ apice tarsique nigra; alæ limpidæ, apud medium fuscescentes.

Black, shining. Third joint of the antennæ and legs red. Tarsi and tips of the tibiæ black. Wings limpid, with two brownish bands, one before the middle darker than the other, which is beyond the middle; veins black. Length of the body 11 lines; of the wings 9 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

Genus 8. LAPHYSTIA.

Antennarum arista terminalis distincta, biarticulata, obtusa. Alarum venæ longitudinales 1a et 2a in ipso margine contiguæ.

Laphystia, *Loew, Linn. Ent. ii. 538.*

1. LAPHYSTIA SABULICOLA.

♀ et Fœm. *Nigra*; *barba omnis abdominisque maculæ laterales albidæ*; *alæ subcinereæ*.

Laphystia sabulicola, *Loew*, *Linn. Ent.* ii. 538.

Coast of Asia Minor.

Genus 9. RHOPALOGASTER.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, valde elongatæ; insertione solita; articulus 3us nudus, obtusus. Abdomen punctatum. Oviductus brevis. Alarum venæ cubitalis furca antica simplex.

Rhopalogaster, *Macq. Hist. Nat. Dipt.* i. 279.

R. *aria*, p., *Wied.*

1. RHOPALOGASTER LONGICORNIS.

♀. *Nigra*; *vibrissæ auratæ*; *antennæ elongatæ*; *abdomen gracillimum, basi nigrum*; *alæ fusæ*.

R. longicornis, *Wied. Auss. Zweifl.* i. 519, 35.

Rhopalogaster longicornis, *Macq. Hist. Nat. Dipt.* i. 279, 1.

1.

Genus 10. MICHOTAMIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, mediocres, non stylatæ, insertione solita; articulus 3us nudus, obtusus. Abdomen petiolatum. Oviductus brevis. Alarum venæ cubitalis furca antica simplex.

Fore fork of the cubital vein slightly undulating; hind fork nearly straight, hardly converging towards each other; second externo-medial almost straight; third forming a nearly right angle with the præbrachial, joining the first at some distance from the border. Subanal joining the anal vein at border. Third externo-medial areolet petiolated at the base, not connected with the præbrachial.

Michotamia, *Macq. Dipt. Exot.* i. 2, 72.

1. MICHOTAMIA ANALIS.

♀. *Nigra*; *antennæ basi testaceæ*; *abdomen ferrugineum, apice nigrum*; *pedes testacei*; *alæ fusco-flavæ*.

Michotamia analis, *Macq. Dipt. Exot.* i. 2, 72, 1, pl. 6, f. 6.

al. Java.

Genus 11. ATOMOSIA.

Corpus sæpissime punctatum. Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us nudus, obtusus. Oviductus brevis. Alarum venæ cubitalis furca antica simplex; venæ transversæ posteriores lineam unam omnino aut fere fingentes.

Atomosia, Macq. *Dipt. Exot.* i. 2, 73.

Laphria, p., *Wied.*

Fore fork of the cubital vein undulating, much curved near the base; hind fork more or less curved, inclined towards the first externo-medial vein, but at some distance from it on the border; second externo-medial straight; third forming a right angle with the præbrachial, in a line with the discal areolet, joining the fourth at a long distance from the border. Subanal joining the anal vein near the border.

North America.

A. Pedes nigri, tibiis testaceis. - - - pusilla, Macq.

B. Pedes pallidi.

A. Abdomen rufo marginatum. - - - macrocera, Say.

B. Abdomen non marginatum. - - - rufipes, Macq.

1. ATOMOSIA PUSILLA.

Viridi-nigra; tibiæ testaceæ; alæ subhyalinæ.

Atomosia pusilla, Macq. *Dipt. Exot.* i. 2, 76, 6.

North America.

2. ATOMOSIA MACROCERA.

Fœm. *Nigra, niveo pubescens; abdomen rubro marginatum; pedes rubri; alæ cinereæ.*

Laphria macrocera, Say, *Journ. Acad. Philad.* iii. 73, 3. *Wied. Auss. Zweifl.* i. 531, 57.

Pennsylvania.

3. ATOMOSIA RUFIPES.

Fœm. *Nigra; abdominis incisuræ albæ; pedes fulvi, tibiis piceis apice nigris; alæ basi subflavescentes.*

Atomosia rufipes, Macq. *Dipt. Exot.* i. 2, 39, 9.

Philadelphia.

West Indies.

4. *ATOMOSIA TIBIALIS*.

[as. *Nigra*; femora basi, genua tibiæque fulva; alæ hyalinæ.
mosia tibialis, *Macq. Dipt. Exot. Suppl.* 1, 76, 6.
 ida, Yucatan. West Indies.

5. *ATOMOSIA INCISURALIS*.

œm. *Nigra*; abdominis incisuræ albidæ; tibiæ fuscæ; alæ
subcinereæ.
mosia incisuralis, *Macq. Dipt. Exot.* i. 2, 76, 4, pl. 7, f. 1.
 a.

South America.

Alæ unicolores.

1. Thorax niger.

A. Femora non annulata.

a. Venæ cubitalis furca antica simplex.

i. Abdomen nigrum.

* Alæ hyalinæ aut subhyalinæ.

† Pedes non hirti.

‡ Pedes nigri; genua rufa.

§ Alæ hyalinæ. - - brevicornis, *Macq.*

§§ Alæ subcinereæ. - - geniculata, *Wied.*

‡‡ Pedes anteriores flavi. - - antica, *Wied.*

†† Pedes ciliati. - - dasypus, *Wied.*

** Alæ subflavescentes. - - pleuritica, *Wied.*

*** Alæ infumatae.

† Pedes toti nigri. - - pusilla, *Wied.*

†† Tibiæ flavæ. - - scoriacea, *Wied.*

ii. Abdomen submetallicum.

* Alæ subhyalinæ. - - unicolor, *Macq.*

** Alæ infumatae. - - minuta, *Wied.*

b. Venæ cubitalis furca antica ramulum rejiciens.

appendiculata, *Macq.*

B. Femora postica flavo annulata. - annulipes, *Macq.*

3. Thorax æneus. - - nigroænea, *Walk.*

Alæ basi hyalinæ apice nigræ.

4. Thorax niger. - - nigripes, *Macq.*

5. Thorax cupreus. - - dispar, *Walk.*

6. *ATOMOSIA BREVICORNIS*.

Fœm. *Nigra* ; *mystax niger* ; *antennæ breves* ; *abdominis suræ albæ* ; *genua rufa* ; *alæ hyalinæ*.

Atomosia brevicornis, Macq. *Dipt. Exot.* i. 2, 76, 5.

Brazil.

7. *ATOMOSIA GENICULATA*.

Nigra ; *abdominis incisuræ albæ* ; *genua rubida* ; *alæ subcin halteres rufescentes*.

Laphria geniculata, Wied. *Dipt. Exot.* i. 241, 19 ; *Auss. Zw* 528, 51.

Brazil.

8. *ATOMOSIA ANTICA*.

Nigra ; *pedes anteriores flavi* ; *alæ limpidæ*.

Laphria antica, Wied. *Auss. Zweifl.* i. 5, 30, 55.

Brazil.

9. *ATOMOSIA DASYPUS*.

Fœm. *Nigra* ; *abdominis incisuræ albæ* ; *pedes posteriores ciliati* ; *alæ limpidissimæ*.

Laphria dasyplus, Wied. *Auss. Zweifl.* i. 527, 48.

a. Santarem, Brazil. From Mr. Bates' collection.

10. *ATOMOSIA PLEURITICA*.

Fœm. *Nigra* ; *antennarum articulus 3us. haud clavatus* ; *ple pedes mellea* ; *alæ subflavescentes*.

Laphria pleuritica, Wied. *Auss. Zweifl.* i. 257, 49.

Brazil.

Var. β .? *Tibiæ posticæ apice nigrae*.

a. Santarem, Brazil. From Mr. Bates' collection.

11. *ATOMOSIA PUSILLA*.

Fœm. *Nigra* ; *humeri et genua rubida* ; *alæ infumatae*.

Laphria pusilla, Wied. *Auss. Zweifl.* i. 532, 59.

Brazil.

12. *ATOMOSIA SCORIAEAE*.

Scoriaceo-nigra ; *nibia flava* ; *alæ infumatae*.
Laphria scoriacea, *Wied. Auss. Zweifl.* i. 529, 53.
 azil.

13. *ATOMOSIA UNICOLOR*.

Fœm. Nigra ; *abdomen cyaneo-nigrum* ; *pedes nigro-fusci, albo hirti* ; *alæ subhyalinæ*.
Atomosia unicolor, *Macq. Dipt. Exot.* i. 2, 75, 3, pl. 7. f. 2, 3.
 Red to *Laphria puella*, *Wied.*
 azil.

14. *ATOMOSIA MINUTA*.

Fœm. Nigra ; *abdomen submetallicum nitens* ; *alæ infumatae*.
Laphria minuta, *Wied. Auss. Zweifl.* i. 530, 56.
 azil.

15. *ATOMOSIA APPENDICULATA*.

Fœm. Nigra ; *abdominis incisuræ albæ* ; *alæ hyalinæ* ; *venæ cubitalis furca antica ramulum rejiciens*.
Atomosia appendiculata, *Macq. Dipt. Exot. Suppl.* 1, 76, 7, pl. 8, f. 1.
 venne.

16. *ATOMOSIA ANNULIPES*.

Nigra ; *thorax flavo tomentosus* ; *abdomen cyaneo-nigrum* ; *femora postica flavo annulata*.
Atomosia annulipes, *Macq. Dipt. Exot.* i. 2, 74, 1.
 zil.

17. *ATOMOSIA NIGROÆNEA*.

Atomosia nigroænea, *Diptera Saundersiana*, Pt. 2, 154.
 ombia.

18. *ATOMOSIA NIGRIPES*.

Fœm. Nigra ; *alæ basi hyalinæ, apice nigræ*.
Atomosia nigripes, *Macq. Dipt. Exot.* i. 2, 74, 2.
 zil.

19. *ATOMOSIA* *DISPAR*.

Purpureo-cuprea ; *facies, pectus et tibiæ anteriores argenteo tomentosa* ; *abdomen et pedes nigra* ; *tibiæ anteriores setis longis* ; *femora postica subtus spinosa* ; *alæ nigro-cinereæ, basi limpidæ*.

Dark purplish cupreous. Thorax and hind part of the head with a few black bristles. Face, pectus and anterior tibiæ with silvery white tomentum. Mystax with a few white bristles. Abdomen dull black, tapering from the base to the tip, narrower than the thorax and more than twice its length. Legs black, hardly hairy; anterior tibiæ with long bristles; hind femora spinose beneath towards the tips. Wings blackish gray, limpid for more than one third of the length from the base, and with some limpid marks near the base; veins black. Halteres white. Length of the body 5 lines; of the wings 9 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

Asia.

20. *ATOMOSIA* *PURPURATA*.

Purpurea, punctatissima ; *alæ fusco-hyalinæ* ; *pedes rufi, tibiæ apicibus tarsisque nigris*.

Atomosia purpurata, *Westw. Trans. Ent. Soc. Lond.* v. 233, pl. 23, f. 5.

East Indies.

Country unknown.

21. *ATOMOSIA* *PUELLA*.

Fœm. Nigra ; *facies, mystax, vibrissæ et barba alba* ; *genæ rubidæ* ; *alæ limpidæ*.

Laphria puella, *Wied. Auss. Zweifl.* i. 531, 58.

Genus 12. *CORMANSIS*.

Atomosiæ similis, at alarum venula discalis et vena externa media 3a non conjunctæ.

Cormansis, *Diptera Saundersiana*, Pt. 2, 154.

1. *CORMANSIS* *HALICTIDES*.

Cormansis Halictides, *Diptera Saundersiana*, Pt. 2, 154.

East Indies.

Genus 13. LAXENECERA.

Caput mystacæ conspicua. Proboscis porrecta. Antennæ tri-
 ulatæ, non stylatæ, insertione solita; articulus 3us villosus,
 sus. Oviductus brevis. Venæ cubitalis furca antica simplex.
 enecera, *Macq. Dipt. Exot. i. 2, 77.*

hria p. ? *Wied.*

Fore fork of the cubital vein slightly undulating, hind fork
 ad to the first externo-medial vein at a long distance from the
 ler; second externo-medial vein straight; third forming an
 use angle with the præbrachial, joining the fourth very far from
 border. Subanal united to the anal near the border.

Africa.

Tibiæ anticæ fulvæ. - - - - andrenoides, *Macq.*
 Tibiæ anticæ nigræ.
 1. Thorax fulvo hirtus. - - - - apiformis, *Walk.*
 3. Thorax albo hirtus. - - - - nigro-cuprea, *Walk.*

Africa.

1. LAXENECERA ANDRENOIDES.

'œm. *Nigra, flavido hirta; tibiæ anticæ fulvæ; alæ subfla-
 vescentes.*

tenecera andrenoides, *Macq. Dipt. Exot. Suppl. 1, 76, 3, pl. 8,
 f. 2.*

fraria.

2. LAXENECERA APIFORMIS.

*Vigra; thorax fulvo hirtus; abdomen obscure cupreum, fasciis
 albidis; alæ subcinereæ, apice obscuriores, venis basi et apud
 costam halteribusque fulvis.*

Black. Head and legs thickly clothed with long whitish testa-
 us hairs, some of which form the mystax. Thorax with tawny
 mentum and hairs. Abdomen dark cupreous; hind borders of the
 ments with whitish bands. Wings grayish, rather darker to-
 ds the tips; veins black, tawny at the base and along the costa.
 lteres tawny. Length of the body 6 lines; of the wings 10
 ss.

Port Natal. From Mr. Plant's collection.

3. LAXENECERA NIGRO-CUPREA.

Nigro-cuprea, albo pilosa; abdomen fasciis interruptis albo tomentosis; alæ subcinereæ; halteres fulvi.

Blackish cupreous. Head black, clothed with whitish hair, and on the hinder part with some black hairs. Face with black hairs. Mystax with slender white bristles. Proboscis, antennæ and legs black. Thorax with whitish hairs; a few black bristles on each side. Hind borders of the abdominal segments with interrupted bands of white down. Legs with whitish hairs and with a few short black bristles; tarsi beneath with gilded tomentum. Wings slightly grayish; veins black, tawny at the base and along the costa. Halteres tawny. Length of the body 7 lines; of the wings 12 lines.

a. Port Natal. From Mr. Plant's collection.

East Indies.

4. LAXENECERA ALBIBARBIS.

Nigra; barba alba; mystax maris niger, fœm. albus; abdominis segmenta albo fasciata; tibiæ flavicantes; alæ flavescens.

Laxenecera albibarbis, Macq. *Dipt. Exot.* i. 2, 78, 2, pl. 7, f. 4.
Acurana sexfasciata? *Diptera Saundersiana*, Pt. 2, 107.

Bengal.

a. East Indies. From Mr. Saunders' collection.

5. LAXENECERA FLAVIBARBIS.

Nigra; barba flava; mystax maris niger, fœm. flavus; abdominis segmenta flavo fasciata; tibiæ fusæ, albido hirtæ; alæ hyalinæ, basi flavescens.

Laxenecera flavibarbis, Macq. *Dipt. Exot.* i. 2, 77, 1.

Laphria hirticornis? Guér. *Icon. Règne Anim. Ins.* pl. 94, f. l. Texte, iii. 536.

Bengal.

Laphria Bengalensis, Wied. may belong to this genus.

Genus 14. TAPINOCERA.

Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, insertione infima; articulus 3us obtusus. Oviductus brevis, venæ cubitalis furca antica simplex.

Tapinocera, Macq. *Dipt. Exot.* i. 2, 78.

Laphria, p., Wied.

1. TAPINOCERA BREVICORNIS.

Mas. *Nigra, albo picta; pedes nigro-fusci, tibiis flavescentibus; alæ limpidissimæ.*

aphria brevicornis, Wied. *Auss. Zweifl.* ii. *Suppl.* 646, 67.

apinocera brevicornis, Macq. *Dipt. Exot.* i. 2, 79, pl. 6, f. 5.

[*new* Holland.

Genus 15. PHONEUS.

Caput mystace conspicuo. Proboscis correcta. Antennæ triticulatæ, non stylatæ; articulus 3us obtusus. Oviductus elongatus. Alarum venæ cubitalis furca antica ramulum rejiciens.

Phoneus, Serv. *Macq. Dipt. Exot.* i. 2, 79.

Fore fork of the cubital vein slightly curved, angular and emitting a branch near its base; hind fork and first externo-medial vein converging towards each other at some little distance apart on the border; second externo-medial nearly straight; third forming slightly obtuse angle with the præbrachial, joining the fourth at long distance from the border. Subanal joining the anal near the border.

1. PHONEUS SERVILLEI.

Facies alba; mystax niger; thorax fusco trifasciatus; abdomen testaceum; pedes nigri; alæ flavicantes, venis fusco limbatis.

Phoneus Servillei, Macq. *Dipt. Exot.* i. 2, 79, 1, pl. 7, f. 5.

[*Brazil.*

Sub-family 4. ASILITES.

Ocelli tres. Antennæ 3-articulatæ; arista elongata. Alarum vena radialis subcostali ad apicem sæpissime connexa.

Asilites, Macq.

• Corpus depressum, latissimum. Abdomen ciliatum.

1. *Craspedia*.

• Corpus non depressum, nec latum, nec ciliatum.

A. Alarum vena radialis furcata; cubitalis simplex.

a. Antennarum articulus 3us elongatus. - 2. *Mallophora*.

- B. Antennarum articulus 3us brevis. - - - 3. Tru
 B. Alarum vena cubitalis furcata; radialis simplex.
 C. Alarum vena radialis subcostali ad apicem connexa.
 a. Facies valde prominens. - - - 4.
 b. Facies plana aut paullo prominens.
 i. Oviductus corona spinularum armatus.
 * Facies plana. - - - 5. A
 ** Facies paullo prominens. - - - 6. Proctaca
 ii. Oviductus spinulis nullis.
 * Facies paullo prominens.
 † Antennarum arista mediocris.
 ‡ Arista simplex.
 § Sexualia exserta.
 || Arista gracilis. - - - 7. J
 ||| Arista crassa. - - - 8. Polyph
 §§ Sexualia occulta. - - - 9. At
 ‡ Arista subtus ciliata. - - - 10. Omn
 †† Antennarum arista longissima, apice spatulat
 11. L
 ** Facies plana. - - - 12. Sen opr
 B. Alarum vena radialis costali ad apicem connexa.
 a. Onychia distincta.
 i. Corpus breve. - - - 13. Da
 ii. Corpus attenuatum. - - - 14. Ph
 b. Onychia nulla. - - - 15. Leptot

Genus 1. CRASPEDIA.

Corpus latissimum, Facies valde convexa. Mystax setosus. Proboscis longa, recta, lanceolata. Antennarum articulus 2o duplo longior; 3us longilanceolatus, arista brevissim fere quadruplo longior. Abdominis latera fasciculis c Femora tibiarum subtus spinosa.

Craspedia, Macq. *Dipt. Exot.* i. 2, 83.

Asilus, p., *Wied.*

Blepharotes, *West.*

Radial vein joining the subcostal at a long distance from tip of the latter. Fore fork of the cubital vein very slightly curved, forming, with the fore fork, a snbful areolet. First externo-medial vein curved; second straight; forming a hardly obtuse angle with the præbrachial, joining fourth far from the border. Subanal joining the anal very far the border.

1. CRASPEDIA CORIARIA.

Nigra; *mystax albidus*; *abdomen rufum, nigro ciliatum*; *alæ fuscae*.

silus coriarius, *Wied.*

—*d.* Melbourne, Australia. From Mr. Baly's collection.

2. CRASPEDIA AUDOUINII.

Nigra; *mystax aureus*; *abdomen cæruleo-nigrum*; *alæ nigro-fuscae, venis posticis flavo marginatis*.

Craspedia Audouinii, *Macq.*

Australia.

Genus 2. MALLOPHORA.

Corpus non depressum, nec ciliatum. Antennarum articulus us lanceolatus, arista longissima. Alæ venis externo-mediis quinque.

Mallophora, *Serville*. *Macq. Hist. Nat. Dipt.* *Loew, Linn. Ent.* iii. 390, 1.

silus, p., *Wied.*; *Perty*.

Asypogon, p., *Fabr.*

Mediastinal vein ending at much beyond half the length of the wing. Subcostal connected with the fore fork of the radial near the p of the wing. Forks of the radial very long; hind fork curved forward, joining the costal at a little in front of the tip of the wing, very near the cubital, and connected with it by a transverse veinlet, from whence a spurious vein proceeds to the border. First externo-medial slightly curved and parallel to the cubital in its apical part, connected with the cubital before the middle of the discal areolet by transverse veinlet, from whence proceeds a second spurious vein, while a third proceeds from the veinlet which connects the first and second externo-medial veins and terminates the discal areolet. Third externo-medial very slightly curved, forming a nearly right angle with the præbrachial, joining the fourth at a long distance from the border. Subanal connected with the anal at some distance from the border. The wing-veins of this genus indicate that its flight is more powerful than that of other *Asilites*, and accord with a robust structure. In *M. heteroptera* and in *M. singularis* the cubital and the first externo-medial veins are united near the border, and in the latter species the third externo-medial forms an obtuse angle with the præbrachial, and joins the fourth at a very long distance from the border.

In this genus, of which *Trupanea* is a subgenus or group, the veins of the wings differ much in structure from those of the other *Asilites* and of the *Dasygogonites* and *Laphrites*. The veins are equal in number to those of the other *Asilidæ*, but the radial vein is forked at more or less before half its length, and the cubital is simple.

North America.

- A. Alæ nigro-fuscæ. - - - - - ardens, Macq.
 B. Alæ fuscæ.
 A. Corpus pilis pallidis. - - - - - analis, Macq.
 B. Corpus pilis ex parte nigris. - - - - - orcina, Wied.
 C. Alæ flavescentes.
 A. Tibiæ nigræ. - - - - - bomboides, Hoffm.
 B. Tibiæ fulvæ. - - - - - heteroptera, Macq.
 D. Alæ hyalinæ, extus obscuræ. - - - - - minuta, Macq.

1. MALLOPHORA ARDENS.

Mas. *Atra*; thorax rubro hirsutus; abdomen basi flavum, apice nigrum; alæ nigro-fuscæ, violaceo nitentes.

Mallophora ardens, Macq. *Hist. Nat. Dipt.* i. 302, 4; *Dipt. Exot.* i. 289, 12, pl. 8, f. 2.

United States.

2. MALLOPHORA ANALIS.

Nigra; alæ fuscæ. Mas.—*Rufo pilosus*. Fœm.—*Flavo pilosus*.

Mallophora analis, Macq. *Dipt. Exot. Suppl.* 1, 78, 20.

Texas.

3. MALLOPHORA ORCINA.

Fœm. *Nigra, nigro hirta*; thorax apice, scutellum et abdomen basi sulphureo hirta; alæ cinereo-fuscæ.

Asilus orcinus, Wied. *Auss. Zweifl.* i. 477, 79.

United States.

4. MALLOPHORA BOMBOIDES.

Atra; caput, pleuri, scutellum et abdomen basi apiceque alba, rest cinerea, aut flava.

Asilus bomboides, Hoffm.; Wied.

Georgia.

5. MALLOPHORA HETEROPTERA.

Fœm. *Atra*; *thorax et abdomen flavo hirsuta*; *tibiæ fulvæ*; *alæ flavescentes*, *ad costam subfuscæ*, *venis externo-mediis 1a et 2a ante alæ marginem conjunctis*.

alophora heteroptera, *Macq. Dipt. Exot. i. 2, 90, 13, pl. 8, f. 3.*
hiladelphia.

6. MALLOPHORA MINUTA.

Nigra; *mystax albidus*; *thorax flavo pilosus*, *disco nigro*; *abdominis segmenta albo marginata*; *pedes flavo pilosi*, *tibiis basi flavis*; *alæ hyalinæ*, *extus obscuræ*.

alophora minuta, *Macq. Hist. Nat. Dipt. i. 302, 5.*
hiladelphia.

West Indies.

7. MALLOPHORA SCOPIFERA.

Mas. *Nigra*; *scutellum flavum*; *abdomen flavo pilosum*, *ano nigro*; *pedes castanei*, *tarsis posticis nigro hirsutissimis*; *alæ rufescentes*.

alophora scopifera, *Macq. Dipt. Exot. i. 2, 89, 10.*
aba.

silus scopifer? *Wied. Auss. Zweifl. i. 478, 83.*

Ochracea; *antennæ fulvæ*, *articulo 3o nigro*; *thorax vittis obsoletissimis nigris*; *- abdomen nigrum*, *albo pilosum*; *pedes castaneo fuscis*, *tibiis posticis basi albis*; *alæ flavescentes*.

razil.

South America.

. *Abdomen non metallicum.*

A. *Alæ nigro-fuscæ.* - - - *Freycineti, Macq.*

a. *Corpus totum nigro hirtum.*

a. *Tibiæ tarsique anteriora nigra.* - *Xylocopides, Walk.*

b. *Tibiæ tarsique anteriora rufa.* - - *contraria, Walk.*

b. *Corpus ex parte ferrugineo hirtum.*

a. *Scutellum fulvo hirtum.* - - *infernalis, Wied.*

b. *Scutellum nigro hirtum.* - - *Minos, Wied.*

B. *Alæ fuscæ*, *basi et ad costam nigræ.* - - *albifrons, Walk.*

C. Alæ fuscæ.

a. Thorax niger.

i. Pedes toti nigro hirti.

i. Thorax totus nigro hirtus.

Pluto, *Wied.*

ii. Thorax ex parte fulvo hirtus.

* Abdomen nigro hirtum. - Leschenaultii, *Macq.*** Abdomen rufo hirtum. - rufiventris, *Macq.**** Abdomen apice rufo hirtum. - ruficauda, *Wied.*

b. Pedes ex parte flavo pilosi.

i. Thorax totus nigro hirtus.

* Abdomen totum nigro hirtum. - tibialis, *Macq.*

** Abdomen ex parte flavo hirtum.

i. Abdomen subtus apice flavo hirtum. ventralis, *Macq.*ii. Abdomen fulvo hirtum. - robusta, *Wied.*

ii. Thorax ex parte flavo hirtus.

* Abdomen basi apiceque flavum. - Sylveirii, *Macq.*** Abdomen flavo trifasciatum. - ciliata, *Wied.**** Abdomen flavum, apice nigrum. - opposita, *Wied.***** Abdomen totum nigrum. - cinerascens, *Wied.*

b. Thorax cinereus, fuscus aut castaneus.

a. Femora nigra.

antiqua, *Wied.*

b. Femora ex parte nigra.

i. Abdomen nigrum.

pusilla, *Macq.*

ii. Abdomen fuscum.

singularis, *Macq.*

b. Femora mellea.

geniculata, *Macq.*

D. Alæ fulvæ aut flavescentes.

A. Thorax nigro pilosus.

Lampon, *Wied.*

B. Thorax fulvo pilosus.

a. Abdomen concolor.

i. Tarsi nigri.

* Femora nigra. - nigrifemorata, *Macq.*** Femora mellea. - nigratarsis, *Fahr.*

ii. Tarsi postice argentei.

argentipes, *Macq.*

b. Abdomen ferrugineum.

Amphinome, *Wied.*

E. Alæ fasciatæ.

fasciata, *Wied.*

F. Alæ limpida.

tricolor, *Wied.*

G. Alæ — ?

atra, *Macq.*

B. Abdomen metallicum.

A. Mystax fulvo hirtus.

candens, *Wied.*

B. Mystax nigro hirtus.

purpurea, *Wied.*

8. MALLOPHORA FREYCINETI.

Fœm. *Cæruleo-nigra* ; *alæ nigro-fuscae, cæruleo nitentes.*

Mallophora Freycineti, *Macq. Dipt. Exot.* i. 2, 85, 2 ; *Suppl.* 1, 77, 19.

asil.

9. MALLOPHORA XYLOCOPIDES.

Mallophora Xylocopides, *Diptera Saundersiana*, Pt. 2, 111.

ra.

10. MALLOPHORA CONTRARIA.

Mallophora contraria, *Diptera Saundersiana*, Pt. 2, 113.

th America.

11. MALLOPHORA INFERNALIS.

Nigra ; *scutellum et abdominis latera fulvo hirta* ; *alæ nigro-fuscae, cæruleo nitentes.*

lus infernalis, *Wied. Dipt. Exot.* i. 202, 35 ; *Auss. Zweifl.* i. 475, 76.

asil.

12. MALLOPHORA MINOS.

Nigra ; *scutellum nigro hirtum* ; *abdominis latera fulvo hirta* ; *femora tibiaeque postica ex parte flavo hirta* ; *alæ nigro-fuscae, cæruleo nitentes.*

lus Minos, *Wied. Auss. Zweifl.* i. 478, 82.

asil?

13. MALLOPHORA ALBIFRONS.

Nigra, nigro hirta ; *caput albo pilosum* ; *alæ fuscae, cyaneo nitentes, basi et ad costam nigrae.*

Mallophora albifrons, *Walk. Zool. viii. Append. xcvi.*

th America.

14. MALLOPHORA PLUTO.

Fœm. *Nigro, nigro hirta* ; *abdomen fulvo hirtum, basi nigrum* ; *alæ fuscæ, violaceo nitentes.*

lus Pluto, *Wied.*

asil.

15. MALLOPHORA LESCHENAUTII.

Mas. *Atra* ; *scutellum fulvum* ; *alæ fusæ*.

Mallophora Leschenaultii, Macq. *Dipt. Exot.* i. 2, 86, 3.

Lamana, Brazil.

16. MALLOPHORA RUFIVENTRIS.

Fœm. *Atra* ; *caput, scutellum et abdomen rufo hirta* ; *alæ fusæ*.

Mallophora rufiventris, Macq. *Dipt. Exot.* i. 2, 91, 16.

South America.

17. MALLOPHORA RUFICAUDA.

Nigra, nigro hirta ; *caput, thorax et scutellum sulphureo hirta* ; *abdomen apice fulvo hirtum* ; *alæ cinereo-fusæ, cyanitentes*. Mas.—*Pedes postici castaneo fusi, tibiis albis hirtis*.

Asilus ruficauda, Wied. *Auss. Zweifl.* i. 476, 78.

Monte Video.

18. MALLOPHORA TIBIALIS.

Nigra ; *tibiæ posticæ testaceæ, basi apiceque nigre* ; *alæ fusæ*.

Mallophora tibialis, Macq. *Dipt. Exot. Suppl.* 1, 77, 17, pl. 8, f. 2.

Guiana.

19. MALLOPHORA VENTRALIS.

Atra ; *venter apice flava* ; *femora tibiæque postica externe fuscæ, alæ fusæ*.

Mallophora ventralis, Macq. *Dipt. Exot.* i. 2, 91, 15.

South America ?

20. MALLOPHORA ROBUSTA.

Nigra, nigro hirta ; *mystax aureus* ; *abdomen fulvo hirtum, lat utrinque flavo hirtum* ; *pedes obscure castaneo fusi, tibiis posticis dimidio apicali albo hirtis, anticis intus auratis* ; *alæ fuscescentes, violaceo nitentes*.

Asilus robustus, Wied. *Auss. Zweifl.* i. 478, 81. Macq. *Dipt. Exot. Suppl.* 1, 78.

South America.

21. MALLOPHORA SYLVEIRII.

œm. Atræ; caput, scutellum et abdomen basi apiceque flava; tibiæ posticæ fuscæ aut testaceæ, albo vel flavo pilosæ; alæ fuscæ.

lophora Sylveirii, Macq. Dipt. Exot. i. 2, 86, 5.

zil.

22. MALLOPHORA OPPOSITA.

lophora opposita, Diptera Saundersiana, Pt. 2, 112.

zil.

23. MALLOPHORA CILIATA.

lophora ciliata, Diptera Saundersiana, Pt. 2, 114.

h America?

24. MALLOPHORA CINERASCENS.

œm. Nigra, cinereo tomentosa, subtus flavo pilosa; mystax setis fulvis nigrisque; pedes lutei, femoribus supra nigro vittatis, tibiis apice tarsisque nigris; alæ fuscæ, ad costam obscuriores.

Black, with cinereous tomentum; under side with yellowish. Face tawny towards the epistoma. Mystax with pale hairs and with black bristles. Beard with black bristles. Abdomen on each side at the base with a tuft of yellow hairs, with which are a few black hairs. Legs luteous, thinly clothed with short yellow hairs; femora above with black stripes; tarsi and tips of the tibiæ black. Wings brownish, darker along the costa. Length of the body 9 lines; of the wings 16 lines.

Var. From Mr. Bates' collection.

25. MALLOPHORA ANTIQUA.

œm. Nigra, cinereo tomentosa; caput albo pilosum; mystax albidus; thorax vittis tribus nigricantibus; abdomen stylo laevi nitido; tibiæ luteæ, apice nigre; alæ subfuscæ.

Black, with cinereous tomentum. Head testaceous in front, eyes, and with white hairs behind and beneath. Mystax with white bristles. Thorax with three blackish stripes; lateral pair interrupted; sides and scutellum with black bristles. Abdomen twice the length of the thorax, extending beyond the wings;

apical third part stylate, shining, transversely ribbed. Legs black; tibiae luteous, with black tips; onychia ferruginous. V slightly brownish. Halteres ferruginous. Length of the body lines; of the wings 14 lines.

a. Vera Cruz. From M. Sallé's collection.

26. MALLOPHORA PUSILLA.

Fœm. *Thorax castaneus; abdomen nigrum, flavido. hirsuti pedes testacei, femoribus supra nigris; alis fusca, externo-mediis 1a et 2a ante marginem conjunctis.*

Mallophora pusilla, Macq. *Dipt. Exot.* i. 2, 88, 9.

Brazil.

27. MALLOPHORA SINGULARIS.

Mas. *Fusca, flavo pilosa; pedes testacei, femoribus supra fasciatis; alæ fusca, venis externo-mediis 1a et 2a marginem conjunctis.*

Mallophora singularis, Macq. *Dipt. Exot.* i. 2, 87, 6, pl. 8, f. 4
Guaratuba.

28. MALLOPHORA GENICULATA.

Mas. *Fusca, fulvo pilosa; abdomen apice nigrum; pedes m tibiis basi externe flavidis; alæ fusca, violaceo nitentes.*

Mallophora geniculata, Macq. *Dipt. Exot.* i. 2, 87, 7.

a, b. Brazil. From Mr. Bates' collection.

29. MALLOPHORA LAMPON.

Asilus Lampon, Cat. of *Diptera*, Pt. 2, 388.

Brazil.

30. MALLOPHORA NIGRIFEMORATA.

Fœm. *Fusca, fulvido pilosa; thoracis fascia nigro pilosa; abdomen maculis dorsalibus nigris; femora tarsique nigra; t melleæ; alæ pallide fusco-flavescentes.*

Mallophora nigrifemorata, Macq. *Dipt. Exot.* i. 2, 90, 14.

Brazil?

31. MALLOPHORA NIGRITARSIS.

Fusca, fulvido pilosa; pedes mellei, tarsis posticis dilatatis nigri alis flavescentes.

Dasypogon nigritarsis, Fabr.

This species and *M. cinerascens* differ from the typical form in the abdomen and the legs, which are but slightly hairy, and the latter are not ciliated. The spurious veins of the wings are distinct.

32. MALLOPHORA FASCIATA.

Atra; barba flava; abdominis segmenta flavo limbata; tibiae posticae basi flavae; alae fuscae, fascia lata hyalina.

Mallophora tibialis, Macq. *Dipt. Exot.* i. 2, 85, 1.

Mallophora fasciata, *Diptera Saundersiana*, Pt. 2, 112.

. Santarem. From Mr. Bates' collection.

. Parà. From Mr. Bates' collection.

Brazil. Guiana. Cayenne.

33. MALLOPHORA TRICOLOR.

Nigra, nigro hirta; caput albo pilorum; antennae rufae, basi nigrae; thorax rufo trivittatus; abdomen medio fulvum, apice rufum; tibiae tarsique postice flava; alae limpidae.

Mallophora tricolor, Walk. *Zool. viii. Append. xcvi.*

Mallophora Amphinome, Var. ?

. b. Parà. From Mr. Bates' collection.

. d. Tapayos, Brazil. From Mr. Bates' collection.

34. MALLOPHORA ATRA.

Nigra; mystacis fasciculus barbaque alba; occipitis pili flavescens; femora apice et tibiae dimidio basali subtus alba.

Mallophora atra, Macq. *Hist. Nat. Dipt.* i. 302, 3.

Brazil.

35. MALLOPHORA CANDENS.

Lupanea candens, *Insecta Saundersiana*, Pt. 2, 117.

South America.

. Parà. From Mr. Bates' collection.

In one wing of this specimen the fourth externo-medial vein forms a single much-curved vein with the fifth, which does not extend to the border.

36. MALLOPHORA PURPUREA.

Atra, nigro hirta; antennæ rufo cinctæ; scutellum, thoracique latera picea; abdomen purpureum, segmentorum marginibus posticis fulvis; pedes picei, tarsi fulvis; alæ fusce.

Trupanea purpurea, Walk. Zool. viii. Append. xcvi.

a. Parâ. From Mr. Bates' collection.

b, c. Santarem. From Mr. Bates' collection.

In this and the preceding species the abdomen is pubescent, not hairy. The fore fork of the radial vein is slightly undulating, connected with the subcostal very near the tip of the latter and near the tip of the wing. Third externo-medial vein curved outward. Subanal joining the anal near the border.

Genus 3. TRUPANEA.

Corpus non depressum, nec ciliatum; antennæ articulo 3o brevi, stylo sat crasso; alæ areolis tribus submarginalibus.

Trupanea, Macq. Dipt. Exot. i. 2, 91.

Asilus p., Fabr.; Wied.

Loew rejects the name *Trupanea* for this genus, and divides it into three genera, which are here mentioned as groups.

Group 1. PROMACHUS.

Corpus crassum, plus minusve hirtum. Antennæ remotæ; articulus 3us brevis aut mediocriter elongatus. Abdomen obconicum, mediæ longitudinis. Pedes sat validi, non incrassati; tarsorum articulus 1us 2o æqualis aut paullo longior. *Mas.*—Abdomen alas non superans. Sexualia mediæ magnitudinis, valde extantia. *Fem.*—Sexualia elongata, stylata.

Promachus, Loew, Linn. Ent. iii. 390, 2; 403.

Wing-veins like those of *Mallophora*. *Male.*—Sexualia large and more prominent than those of *Mallophora*. *Fem.*—Sexualia more divergent than those of *Mallophora*.

Trupanea maculata Fabr.; T. picta Meig.; T. leonina Loew; T. trichonotus Wied.; T. fasciata Fabr.

Group 2. PHILODICUS.

Corpus nudiusculum. Antennæ approximatae; articulus 3o

5. Pedes spinosi, sat graciles; tarsorum articulus 1us longior. *Mas.*—Sexualia mediocriter crassa. *Fœm.*—Sexonica, circulo spinarum terminata.

18, *Loew, Linn. Ent.* iii. 391, 3; 403.

s more slender and more spinose than those of *Promachus*.

a javana, *Wied.*

Group 3. ALCIMUS.

pus nudum. Antennæ approximatae; articulus 3us longus, sat tenuis. Abdomen tenue, elongatum. Pedes graciles; articulus 1us 2o 3oque conjunctim plerumque longior. Sexualia parva, recta. *Fœm.*—Sexualia attenuata, cylindrico spinarum terminata.

Loew, Linn. Ent. iii. 391, 4, 403.

a longipes, *Macq.*, and most South African species.

Europe.

1. TRUPANEA LEONINA.

st *Fœm.* *Nigra, densissime flavo pilosa; tibiæ luteæ; alæ uscentes.*

us leoninus, *Loew, Linn. Ent.* iii. 404, 1.

ior and the Isles of Greece.

Europe?

2. TRUPANEA MACULATA.

cinerea; thorax vittis obsoletis fuscis; abdomen ferrugineum, oculis dorsalibus atris; pedes fuscii, tibiis luteis; alæ limbidæ; halteres fuscii.

maculatus, *Fabr. Syst. Ent.* 794, 17, 21; *Sp. Ins.* ii. 464, *Ent. Syst.* iv. 383, 33. *Gmel. ed. Syst. Nat.* i. 5, 2898, *Wied. Zool. Mag.* i. 2, 28; *Dipt. Exot.* i. 202, 36; *Auss. Zift.* i. 483, 89. *Meig. Zweift.* ii. 307, 1.

on maculatus, *Fabr. Syst. Antl.* 169, 24.

a maculata, *Macq. Dipt. Exot.* i. 2, 99, 17.

us maculatus, *Loew, Linn. Ent.* iii. 406.

s. East Indies. Cochin China.

3. TRUPANEA PICTA.

Testaceo-nigroque varia; mystax sulphureus; antennæ apice clavata; pedes nigri, tibiis anterioribus testaceis; alæ fuscæcentes; halteres fuscæ.

Asilus pictus, Meig. Zweifl. ii. 307, 2, pl. 21, f. 6, 8.

Hungary?

North America.

A. Femora nigra; tibiæ rubidæ.

A. Thorax glauco-cinereus. - - - - - vertebrata, *Sey.*

B. Thorax niger, flavo hirtus.

A. Alæ apud margine posticum fuscæcentes. laphroides, *Wied.*

B. Alæ obscure fuscæ. - - - - - perpusilla, *Wied.*

B. Femora nigro vittata. - - - - - lævinus, *Wied.*

C. Pedes castaneo fuscæ. - - - - - quadrata, *Wied.*

D. Pedes rufi. - - - - - rubiginis, *Wied.*

E. Pedes testacei. - - - - - Bastardii, *Macq.*

Group 1.

Corpus hirtum, setosum. Facies apud epistoma valde convexa. Mystax densissime pilosus. Proboscis valida, lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us 1o non longior; arista 3o duplo longior. Pedes validi, pilosi, spinosi. *Max.*—Abdomen oblongeolatum, apice fasciculatum. *Fæm.*—Abdomen bis triente basali longi-obconicum, triente apicali valde compressum, spiniforme.

Mediastinal vein ending at a little beyond half the length of the wing. Forks of the radial vein very long; fore fork hardly undulating, connected with the subcostal very near the tip of the latter and near the tip of the wing; hind fork slightly curved forward, joining the costal at very little in front of the tip of the wing very near the cubital, and connected with it by a transverse veinlet. First externo-medial hardly curved, but nearly parallel to the cubital, with which it is connected by a transverse veinlet at one-third of the length of the discal areolet; second almost straight; third slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border of the wing. Subanal joining the anal at some distance from the border. The shorter third joint of the antennæ seems to be the only character which distinguishes this genus from *Mallophora*.

4. TRUPANEA VERTEBRATA.

Glauco-cinereascens; abdomen maculis transversis nigellis; tibiæ rubidæ.

Asilus vertebratus, Say, Journ. Acad. Philad. 47, 1. Wied. Auss. Zweifl. i. 485, 91.

Trupanea vertebrata, Macq. Dipt. Exot. i. 2, 103, 27.

United States.

5. TRUPANEA LAPHROIDES.

Nigra; caput albo pilosum; thorax flavido hirtus; abdominis incisuræ flavescens; tibiæ fulvæ; alæ apud marginem posticum fuscescentes.

Asilus laphroides, Wied. Auss. Zweifl. i. 483, 88.

Kentucky.

6. TRUPANEA PERPUSILLA.

Trupanea perpusilla, *Insecta Saundersiana*, Pt. 2, 123.

United States.

7. TRUPANEA LÆVINUS.

Asilus Lævinus, *Cat. of Diptera*, Pt. 2, 392.

United States.

8. TRUPANEA QUADRATA.

Mas. Rufo-fusca; thorax vittis tribus fuscis; abdomen nigrum, fuscato limbatum, incisuris albis; pedes castaneo fuscis; alæ subflavescens.

Asilus quadratus, Wied. Dipt. Exot. i. 201, 34; Auss. Zweifl. i. 485, 90.

Georgia.

9. TRUPANEA RUBIGINIS.

Trupanea rubiginis, *Insecta Saundersiana*, Pt. 2, 123.

North America.

10. TRUPANEA BASTARDII.

Mas. Nigra; abdominis incisuræ albæ, medio interruptæ; pedes testacei; alæ flavidæ.

Trupanea Bastardii, Macq. Dipt. Exot. i. 2, 104, 30.

North America.

South America.

- A. Thorax niger aut cinereus.
 A. Abdomen non metallicolor.
 A. Alæ fuscae.
 a. Abdomen cingulis albis. - - - fuscipennis, *Mas.*
 b. Abdomen basi albo fasciatum. - - - annularis, *Fels.*
 B. Alæ hyalinæ.
 a. Pedes toti nigri. - - - nigripes, *Mas.*
 b. Pedes ex parte pallidi.
 i. Abdomen incisuris albidis. - - - gracilis, *Mas.*
 ii. Abdomen lateribus testaceis. - - - spissibarbis, *Mas.*
 B. Abdomen chalybeum. - - - barbipes, *Wied.*
 c. Alæ flavescentes. - - - pyrrhomystax, *Wied.*
 B. Thorax fuscus. - - - calida, *Fels.*
 C. Thorax fuscus, vittis fulvis.
 A. Femora nigra. - - - rufipes, *Fels.*
 B. Femora fulva. - - - captans, *Walk.*
 D. Thorax fulvus aut cervinus vittis nigris.
 A. Thorax cristatus. - - - trichonotus, *Wied.*
 B. Thorax non cristatus.
 A. Alæ fuscæ.
 a. Abdomen fasciis fulvis aut testaceis. - - - flavifasciata, *Mas.*
 b. Abdomen fasciis albis. - - - breviuscula, *Walk.*
 B. Alæ fuscæ, apice cineræ.
 a. Thorax nigro brivittatus. - - - mitescens, *Walk.*
 b. Thorax nigro quadrivittatus. - - - substituta, *Walk.*
 c. Alæ flavidæ.
 a. Pedes castanei. - - - quatuor lineata, *Mas.*
 b. Pedes nigri.
 i. Abdominis latera maculata. - - - nigripes, *Fels.*
 ii. Abdominis latera non maculata. - - - Heydenii, *Wied.*
 E. Thorax flavidus, fusco vittatus. - - - connexa, *Wied.*
 F. Thorax fulvus. - - - perfecta, *Walk.*

Group 1.

Corpus pilosum, non setosum. Facies apud epistoma convexa. Mystax dense pilosus. Proboscis valida, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us 1o non longior; arista 1o plus duplo longior. Pedes validi, spinosi, parce pilosi. *Mas.*—Abdomen oblongeolatum, apice non fasciculatum. *Fæm.*—Abdomen long-obconicum, triente aut plus triente apicali valde compressum, spiniforme.

Fore fork of the radial vein hardly undulating, joining the sub-

al at a short distance from the tip of the latter; hind fork curved
ward; cubital vein almost straight, connected with the radial by
veinlet much beyond the end of the discal areolet, and with the
branch of the præbrachial by a veinlet at much before half the
length of the discal areolet. First externo-medial vein parallel to
cubital; third forming a slightly obtuse angle with the præbra-
chial, joining the fourth far from the border. Subanal joining the
first far from the border.

panea annularis, *Fabr.*; *T. flavifasciata*, *Macq.*; *T. breviscula*,
Walk.

11. TRUPANEA FUSCIPENNIS.

*fas. Nigra; mystax supra niger, subtus fulvus; thorax lineis et
abdomen incisuris albis; alæ fusæ.*

panea fuscipennis, *Macq. Dipt. Exot. Suppl. 1, 81, 44, pl. 8,
f. 4.*

v Grenada. Warm Region.

12. TRUPANEA ANNULARIS.

*nigra, nigro hirta; caput subtus albidum hirtum; abdomen basi
albo fasciatum; tibiæ flavæ, basi apiceque nigræ; alæ fusæ.*

typogon annularis, *Fabr.*

13. TRUPANEA NIGRIPES.

*com. Atra; thorax lineis, abdomen incisuris lateribusque cine-
reis; alæ violaceo hyalinæ.*

panea nigripes, *Macq. Dipt. Exot. i. 2, 101, 23.*

sil.

14. TRUPANEA GRACILIS.

*fas. Cinerea, gracilis; abdomen fuscum, incisuris albidis; pedes
nigri, femoribus subtus tibiisque apice testaceis, tarsis fusco-
fulvis; alæ hyalinæ, apice cineræ.*

panea gracilis, *Macq. Dipt. Exot. i. 2, 102, 25.*

sil.

15. TRUPANEA SPISSIBARBIS.

*fas. Mystax flavus; thorax cinereo tomentosus vittis fuscis; ab-
dominis latera testacea; femora postica supra testacea; alæ
subhyalinæ.*

panea spissibarbis, *Macq. Dipt. Exot. Suppl. 1, 80, 43.*

li.

16. TRUPANEA BARBIPES.

Nigra; thorax vittis fusciscentibus; abdomen chalybeum, fulvum hirtum; tibiæ posticae fulvo barbatae; pedes castaneo fusciscentes; alæ subviolaceæ.

Laphria barbipes, Wied. Zool. Mag. iii. 48, 11; *Dipt. Exot.* i. 220, 13.

Asilus barbipes, Wied. Auss. Zweifl. i. 480, 86.

Brazil.

17. TRUPANEA? PYRRHOMYSTAX.

Nigra; thorax cinerascens, nigro vittatus; abdomen utrinque maculis transversis segmento apicali albis, forcipe rubro; alæ flavescens, apice cinerea.

Asilus pyrrhomystax, Wied. Auss. Zweifl. i. 497, 111.

Var ? *Asilus melaleucus*, Wied. Auss. Zweifl. i. 498, 112.

Brazil.

18. TRUPANEA CALIDA.

Fusca; antennæ nigrae; thorax flavido hirtus; abdomen nigro incisuris flavidis; pedes castaneo fuscis, tibiis fulvis; alæ flavescens.

Asilus calidus, Fabr. Ent. Syst. iv. 380, 17. Wied. Dipt. Exot. i. 210, 48; Auss. Zweifl. i. 482, 87.

Laphria calida, Fabr. Syst. Antl. 159, 12.

Brazil. Cayenne.

19. TRUPANEA RUFIPES.

Fusca; antennæ nigrae; thorax vittis fulvis aut ferrugineis; abdomen flavidum, vittis abbreviatis nigris; pedes nigri, femoribus fulvis; alæ flavidæ.

Asilus rufipes, Fabr. Syst. Ent. 794, 16; Ent. Syst. iv. 383, 17. Wied. Dipt. Exot. i. 203, 38; Auss. Zweifl. i. 487, 93.

Dasygogon rufipes, Fabr. Syst. Antl. 169, 23.

South? America.

20. TRUPANEA CAPTANS.

Trupanea captans, *Insecta Saundersiana*, Pt. 2, 117.

South America.

21. TRUPANEA TRICHONOTUS.

Vigra; *mystax albo flavescens*; *thorax cervinus, cristatus, vittis nigris*; *abdomen fasciis duabus pilosis albis*; *tibiæ melleæ*; *alæ flavo-fusca, apice subcinerea.*

lus trichonotus, Wied. *Auss. Zweifl.* i. 490, 97.

machus trichonotus, Loew, *Linn. Ent.* iii. 407.

th America.

22. TRUPANEA FLAVIFASCIATA.

Vigra; *palpi nigro pilosi*; *thorax rufus nigro vittatus*; *abdominis segmenta rufolimbata*; *alæ fuscæ.*

panea flavifasciata, Macq. *Dipt. Exot.* i. 2, 102, 26, pl. 9, f. 1.

c. Parà. From Mr. Bates' collection.

South America. From Mr. Saunders' collection.

23. TRUPANEA BREVIUSCULA.

œm. Nigra; *caput subtus albo hirtum*; *facies testacea*; *thorax fulvo quinquevittatus*; *pectus testaceum, nigro varium*; *abdomen albo bifasciatum*; *alæ fusca.*

Black. Head with testaceous tomentum, white behind, clothed with white hairs beneath. *Mystax* with black and whitish bristles. *Thorax* with five tawny stripes. *Pectus* partly covered with pale testaceous tomentum. *Abdomen* with a tuft of black and whitish bristles on each side at the base; second and third segments with tufts of white hairs on their hind borders, and, like the fourth, with a spot of white tomentum on each side. *Wings* brown. *Halteres* testaceous. Length of the body 6 lines; of the wings 10 lines.

This species much resembles the female of *T. flavifasciata*, but the attenuated part of the abdomen is shorter, and the abdominal hairs are of a different colour.

Tapayos, Amazon Region. From Mr. Bates' collection.

24. TRUPANEA MITESCENS.

trupanea mitescens, *Insecta Saundersiana*, Pt. 2, 118.

South America.

25. TRUPANEA SUBSTITUTA.

trupanea substituta, *Insecta Saundersiana*, Pt. 2, 119.

South America.

26. TRUPANEA QUATUORLINEATA.

Cinereo-rubida; thoracis vitta intermedia lineis quatuor fuscis;
abdomen nigrum, incisuris albidis; pedes castanei; alæ
flavide.

Trupanea quatuorlineata, Macq. *Dipt. Exot.* i. 2, 103, 24.

Brazil.

27. TRUPANEA NIGRIPES.

Fulva; thorax nigro vittatus; abdomen nigrum, maculis lateribus
trigonis, fasciisque albedo aut fulvo pilosis; pedes nigri;
alæ flavescentes, apice margineque postico cinereis.

Asilus nigripes, Fabr. *Ent. Syst.* iv. 385, 39; *Syst. Anl.* 17,
34. *Wied. Dipt. Exot.* i. 209, 47; *Auss. Zweifl.* i. 480, 85.

Brazil.

28. TRUPANEA HEYDENII.

Fœm. Nigra; thorax cervinus, nigro vittatus; abdomen fuscis
basi tribus albo pilosis; alæ flavescentes, areolarum apicalium
discis cinereis.

Asilus Heydenii, Wied. *Auss. Zweifl.* i. 490, 98.

Brazil.

29. TRUPANEA CONNEXA.

Flavida; antennæ nigre; thorax fusco vittatus; abdomen nigro
tessellatum, apice omnino flavidum; pedes nigri, genulum
tibiisque fulvis; alæ subflavescentes.

Asilus connexus, Wied. *Auss. Zweifl.* i. 497, 110.

Monte Video.

30. TRUPANEA PERFECTA.

Trupanea perfecta, *Diptera Saundersiana*, Pt. 2, 120.

South America.

Canary Isles.

31. TRUPANEA LATITARSATA.

Cinerea; abdomen maculis nigris; pedes testacei, femoribus supra
nigris; alæ subflavescentes. Mas.—Tarsi postici late pilosi.

Trupanea latitarsata, Macq. *Dipt. Exot.* i. 2, 93, 2.

Asilus latitarsatus, Macq. *Hist. des Iles Canaries, de Webb et
Berthelot.*

32. TRUPANEA CONSANGUINEA.

Cinerea; facies barbaque albæ; mystax flavido-nigroque parum mixtus; abdominis segmenta singula macula magna nigro micante; pedes testacei, femoribus fascia longitrorsum nigra; alæ subflavescentes. Mas.—Anus albus.

ipanea consanguinea, Macq. Dipt. Exot. i. 2, 94, 3.

nary Isles.

Africa.

Pedes nigri; tibie nonnumquam pallidæ.

1. *Alæ subfuscæ.* - - - - - *temeraria, Walk.*

B. *Alæ fusco strigatæ.*

a. *Abdomen ferrugineum, nigro-alboque maculatum.*

producta, Walk.

b. *Abdomen fuscum, fasciis canis.* - *Alamanus, Walk.*

C. *Alæ flavescentes.*

A. *Mystax niger.* - - - - - *fasciata, Fabr.*

B. *Mystax flavus.* - - - - - *caffa, Macq.*

D. *Alæ rufescentes.* - - - - - *Robertii, Macq.*

Pedes nigro varii.

1. *Abdomen fuscum aut canum.* - - - *Turinus, Walk.*

B. *Abdomen nigrum.*

A. *Abdomen rufo marginatum.*

a. *Abdomen rufo fasciatum.*

i. *Thorax vittis nigris.* - - - *Guineensis, Wied.*

ii. *Thorax vittis fuscis.* - - - *Pætinus, Walk.*

b. *Abdomen rufo non fasciatum.* - - *limbata, Macq.*

B. *Abdomen rufo non marginatum.*

a. *Femora et tibie cinerea aut nigra, intus fulva.*

i. *Abdomen cinereum, fusco marginatum.*

* *Thorax maculis quatuor nigris.* - *fraterna, Wied.*

** *Thorax maculis duabus nigris.* *fraterculus, Walk.*

ii. *Abdomen nigrum albido marginatum.* *vagator, Wied.*

b. *Pedes picei, tibiis ferrugineis.* - *Scilurus, Walk.*

c. *Abdomen fulvum, maculis trigonis nigris.*

Ædithus, Walk.

Pedes toti pallidi.

1. *Antennæ totæ nigrae.* - - - *Senegalensis, Macq.*

3. *Antennæ basi rufescentes.* - - - *Mimus, Wied.*

2. *Antennæ cinctæ.*

a. *Abdomen cinereum, maculis nigris.* - *fulvipes, Macq.*

b. *Abdomen fulvum; fœm. maculis fuscis.* *Amatrus, Walk.*

c. *Abdomen nigrum, fasciis ferrugineis.* - *Dorso, Walk.*

Group 1.

Corpus hirtum, parce setosum. Facies plana. Mystax dense setosus. Antennarum articulus 1us 2o duplo longior; 3us 1o non longior; arista 3o duplo longior. Abdomen oblanceolatum, thorace fere duplo aut plus duplo longius, apice non compressum. Pedes robusti, pilosi, spinosi.

Radial vein forked at much before half its length; fore fork hardly undulating, connected with the subcostal close to the tip of the latter, but at some distance from the tip of the wing; hind fork forming an extremely obtuse angle, whence it inclines to the fore fork, and joins the tip of the costal vein. Cubital and first externo-medial slightly inclined towards each other. Third externo-medial forming a hardly obtuse angle with the præbrachial, joining the fourth at a long distance from the border. Subanal joining the anal at some distance from the border.

Trupanea fasciata, *Fabr.*; *T. Guineensis*, *Wied.*; *T. Poëtinus*, *Walk.*; *T. limbata*, *Macq.*; *T. Scilurus*, *Walk.*; *T. Ædithus*, *Walk.*; *T. fulvipes*, *Macq.*; *T. Dorso*, *Walk.*

Group 2.

Corpus hirtum, parce setosum. Facies plana. Mystax ad dense setosus. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus; 1o longior; arista 3o longior. Abdomen oblanceolatum, thorace fere duplo aut plus duplo longius. Pedes robusti, spinosi, vix pilosi. *Mas.*—Abdomen alas non superans. *Fem.*—Abdomen alas multo superans, apice nitens subcompressum.

Radial vein forked at a little beyond one-third of its length; forks slightly curved, parallel to each other; fore fork joining the subcostal very near the tip of the latter. Cubital and first externo-medial very slightly curved, almost parallel to each other; cubital joined to the radial by a veinlet at a little before the end of the discal areolet, and with the fore branch of the præbrachial by a veinlet at much before the middle of the discal areolet. Third externo-medial forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Trupanea fraterna, *Wied.*; *T. fraterculus*, *Walk.*

Group 3.

Corpus valde elongatum, parce setosum, vix hirtum. Facies apud epistoma subconvexa. Mystax sat dense setosus. Antennarum articulus 1us 2o duplo longior; 3us 1o longior; arista 3o brevior. Pedes sat graciles, spinosi; tarsi longi. *Fam.*—Abdomen thorace fere triplo longius, apicem versus subcylindricum, non compressum.

Radial vein forked at before half its length; fore fork very slightly curved, joining the subcostal close to the tip of the latter; hind fork almost straight. Cubital curved towards the first externo-medial, connected with it by a veinlet at much before half the length of the discal areolet, and with the radial by a veinlet at much before the end of the discal areolet. First externo-medial almost straight; second hardly curved; third curved, forming an obtuse angle with the præbrachial, which is also curved, joining the fourth far from the border. Subanal joining the anal close to the border.

Var. β . Radial vein forked at very little before half its length; fore fork hardly undulating, joining the subcostal close to the tip of the latter; hind fork slightly curved towards the tip. Cubital curved towards the first externo-medial, connected with it by a veinlet at much before half the length of the discal areolet, and with the radial by a veinlet at much before the end of the discal areolet. First externo-medial very slightly curved; second hardly undulating; third curved, forming an obtuse angle with the præbrachial, which is also curved, joining the fourth far from the border. Subanal joining the anal on the border.

The veinlet between the cubital and the radial is much nearer to the base of the fork of the latter than it is in var. α ., and the veinlet between the cubital and the discal areolet is more remote from the base of the latter.

Trupanea Alamanus, Walk.

Group 4.

Corpus gracile, longiusculum, parce setosum, vix hirtum. Vertex depressum. Facies parum convexa. Mystax setis nonnullis. Abdomen oblancoelatum, alas paullo superans. Pedes validi, tibi spinosi, non pilosi. *Mas.*—Sexualia parva. *Fem.*—Abdomen apice acuminatum, non compressum nec stylatum.

Radial vein forked at hardly beyond one-third of its length; fore fork abruptly curved forward near its tip, and joining the subcostal vein close to the tip of the latter; hind fork moderately

LIST OF DIPTERA.

ward forward near its tip. Cubital and first externo-medial veins almost parallel to each other; cubital joined to the first by a veinlet at four-fifths of the length of the discal areolet and very far from the fork of the radial, joined to the discal areolet by a veinlet at one-third of the length of the latter. Second externo-medial nearly straight; third curved, forming an obtuse angle with the præbrachial, which is very slightly curved, joining the fourth very far from the border. Subanal joining the anal close to the border.

Trupanea Turius, Walk.

33. TRUPANEA TEMERARIA.

Trupanea temeraria, *Diptera Saundersiana*, Pt. 2, 121.
Senegal?

34. TRUPANEA PRODUCTA.

Trupanea producta, *Diptera Saundersiana*, Pt. 2, 124.
Cape.

35. TRUPANEA ALAMANUS.

Trupanea perlonga, *Diptera Saundersiana*, Pt. 2, 125.
a. South Africa. From Mr. Argent's collection.
b. Port Natal. From Mr. Stevens' collection.
Var. β . *Asilus Alamanus*, *Cat. of Diptera* Pt. 2, 428.

36. TRUPANEA FASCIATA.

Nigra; abdomen basi fasciis duabus pilosis albis; alæ flavo-centes.
Asilus fasciatus, Fabr.
Sierra Leone.

37. TRUPANEA CAFFRA.

Mas. *Nigra*; mystax flavus; abdomen basi albo pilorum; alæ flavidæ, costâ subfusca.
Trupanea caffra, Macq. *Dipt. Exot. Suppl.* 1, 79, 40.
South Africa.

38. TRUPANEA ROBERTII.

Fœm. *Nigra*; caput album; abdominis segmenta tria antica flavido pilosa; tibiæ externe castaneæ; alæ rufescentes.
Trupanea Robertii, Macq. *Dipt. Exot.* i. 2, 95, 6.
Senegal.

39. TRUPANEA TURINUS.

us Turinus, *Cat. of Diptera*, Pt. 2, 407.

ra Leone.

40. TRUPANEA GUINEENSIS.

horax rufescens, vittis quatuor nigellis; abdomen nigrum, fuscis marginibusque lateralibus rubidis; pedes rubidi, tarsi nigris; alæ subflavescentes.

us Guineensis, *Wied.*

nea.

41. TRUPANEA PÆTINUS.

us Pætinus, *Cat. of Diptera*, Pt. 2, 390.

ra Leone.

42. TRUPANEA LIMBATA.

œm. Gracilis; abdomen nigrum, rubido limbatum; pedes testacei, femoribus tibiisque externe nigris; alæ flavidæ, apice fuscæ.

panea limbata, *Macq. Dipt. Exot.* i. 2, 95, 6.

egal.

43. TRUPANEA FRATERNA.

las. Flavo-cinereascens; antennæ nigrae; thorax vittis maculisque fuscis; abdomen obscure cinereum, lateribus fuscis; pedes intus fulvi; alæ subflavescentes, apice cinereæ.

us fraternus, *Wied.*

pea.

44. TRUPANEA FRATERCULUS.

œm. Cinerea; caput albo pilosum; mystax albidus; thorax vittis duabus dorsalibus integris et duabus lateralibus interruptis nigricantibus maculisque quatuor lateralibus nigris; abdomen apice nigrum; pedes ferrugineo vittati; alæ sublimpidæ.

Fem. Cinereous. Head behind and beneath, pectus and metathorax whitish. Head clothed with white hairs. Mystax with whitish bristles. Thorax with four blackish stripes, two entire on the dorsal and converging hindward, and two lateral and interrupted and less distinct; there are also four lateral black spots on

the hind part of the thorax, the hind pair very small. Abdomen black towards the tip. Legs black, with whitish down, beset with black and white spines; femora and tibiæ ferruginous on the inner side. Wings nearly limpid.

This species is very nearly allied to *T. fraterna*, but may be distinguished by its smaller size, by the darker colour of the anterior pair of spots on the thorax, by the ferruginous inner side of the femora and of the tibiæ, and by the forks of the radial vein, which are more curved towards the tips. Length of the body 7 lines; of the wings 10 lines.

a. Port Natal. From M. Gueinzus' collection.

45. TRUPANEA VAGATOR.

Glauescens; antennæ nigrae; abdomen nigrum, fasciis marginibusque albidis; pedes nigri, femoribus intus tibiisque fulvis; alæ flavescentes.

Asilus vagator, Wied. *Auss. Zweifl.* i. 492, 100.

Cape.

46. TRUPANEA SCILURUS.

Asilus Scilurus, *Cat. of Diptera*, Pt. 2, 395.

South Africa.

47. TRUPANEA ÆDITHUS.

Asilus Ædithus, *Cat. of Diptera*, Pt. 2, 429.

South Africa.

48. TRUPANEA SENEGALENSIS.

Fœm. Cinerea; abdomen in segmento singulo macula nigra transversa; pedes testacei; alæ flavidæ.

Trupanea Senegalensis, *Macq. Dipt. Exot.* i. 2, 95, 4.

Senegal.

49. TRUPANEA MIMUS.

Mas. Rubida; antennæ nigrae, basi rufescentes; thorax vittis nigris lineisque albis; abdomen maculis lateralibus albis; pedes rufescentes; alæ flavescentes.

Asilus mimus, Wied. *Auss. Zweifl.* i. 493, 102.

Cape.

50. TRUPANEA FULVIPES.

♂. *Flavido-cinerea; antennarum articulus 2us testaceus; abdomen macula magna in segmento singulo nigra; pedes fulvi; alæ flavidæ.* Long. $8\frac{1}{4}$ lin.

Trupanea fulvipes, Macq. Dipt. Exot. i. 2, 93, 1.

c.

51. TRUPANEA AMASTRUS.

♂. *Amastus, Cat. of Diptera, Pt. 2, 394.*

h Africa.

52. TRUPANEA DORSO.

♂. *Dorso, Cat. of Diptera, Pt. 2, 397.*

h Africa.

Asia.

Pedes nigri.

Pedes toti nigri.

A. *Alæ apice fuscæ aut cineræ.*

a. *Abdomen basi fasciis duabus albo pilosis.*

bifasciata, Macq.

b. *Abdomen non bifasciatum.*

i. *Abdomen nigricans, incisuris albis.*

Westermanni, Wied.

ii. *Abdomen cinereum, maculis nigris. maculosa, Macq.*

iii. *Abdomen fuscum, albo limbatum. - Javana, Wied.*

iv. *Abdomen subfulvicanum. - univentris, Walk.*

v. *Abdomen fusco-cinereoque tessellatum. agnita, Wied.*

B. *Alæ apice non obscuriores.*

a. *Venæ externo-mediæ 1a et 2a non conjunctæ.*

i. *Alæ flavidæ.*

* *Corpus flavido pilosum. - Marci, Macq.*

** *Corpus rufo pilosum. - Duvaceli, Macq.*

ii. *Alæ subhyalinæ. - rufocingulata, Macq.*

b. *Venæ externo-mediæ 1a et 2a conjunctæ.*

heteroptera, Macq.

Tibiæ anteriora externe testacea. - fusca, Macq.

Femora anteriora apice subtus rufescentia. Hospes, Wied.

Tibiæ pallidæ.

A. *Alæ apice obscuriores.*

a. *Abdomen cinereum, maculis nigris. orientalis, Macq.*

b. *Abdomen non maculatum. - rufibarbis, Macq.*

B. *Alæ apice non obscuriores.*

- a. *Mystax albus*. - - - - - *cana*, *Wied.*
 b. *Mystax flavus*. - - - - - *Anicius*, *Walk.*
E. Pedes cinerei ; femora tibiæque subtus pallida.
 A. *Alæ subfulvæ, apice fusco-ferrugineæ*. - - *Gobares*, *Walk.*
 B. *Alæ subfuscæ*. - - - - - *innotabilis*, *Walk.*
F. Pedes pallidi, nigrovarii.
 A. Abdomen non fasciatum.
 a. Abdomen cinereo pubescens. - - - *apicalis*, *Macq.*
 b. Abdomen totum nigrum. - - - *maculipes*, *Walk.*
 B. Abdomen incisuris vix albidis. - - - *rubritarsata*, *Macq.*
 C. Abdomen incisuris flavescentibus. - - - *varipes*, *Macq.*
 D. Abdomen fasciis interruptis canis. - - - *confinis*, *Walk.*
 E. Abdomen albo bifasciatum. - - - *Manillensis*, *Macq.*
 F. Abdomen fulvo fasciatum.
 a. *Alæ apice non obscuriores* - - - - - *contracta*, *Walk.*
 b. *Alæ apice cineræ*. - - - - - *telifera*, *Walk.*
G. Pedes picei, subtus ferruginei.
 A. *Alæ apice obscuriores*. - - - - - *Ceylanica*, *Macq.*
 B. *Alæ apice non obscuriores*.
 a. *Alæ flavescentes*.
 i. Abdomen cinereum. - - - - - *flavibarbis*, *Macq.*
 ii. Abdomen fulvum. - - - - - *Copillus*, *Walk.*
 b. *Alæ fuscæ*. - - - - - *Calanus*, *Walk.*

Group 1.

Structure of Group 1, page 594.

Trupanea Anicius, *Walk* ; *T. Copillus*, *Walk* ; *T. maculipes*, *Walk.*

Group 2.

Fæm. Corpus elongatum. Vertex depressus. Facies subconvexa. *Mystax* setis plurimis. Proboscis valida, linearis. *Antennarum* articulus 1us 2o duplo longior ; 3us lanceolatus, 1o non longior ; arista articulo 3o paullo longior. Thorax setosus. Abdomen longi-oblongatum, abdomen superans, basi subpilosum, apice acuminatum, non stylatum nec compressum. Pedes robuste, spinosi, pubescentes.

Radial vein forked at a little before one-third of its length; fore fork very slightly undulating ; hind fork straight till near its tip, where it is curved forward and parallel to the fore fork. Cubital and first externo-medial vein very slightly curved hindward, parallel to each other ; second externo-medial straight ; third slight curved,

a very slightly obtuse angle with the præbrachial, joining it far from the border. Subanal joining the anal near the

a Gobares, *Walk*; T. innotabilis, *Walk*.

Group 3.

1. Corpus parce pubescens. Caput subtus dense pilosum. Convexa. Mystax parce setosus. Proboscis lanceolata. 1^{us} articulus 1^{us} 2o duplo longior; 3^{us} lanceolatus, longior; arista 3o vix longior. Thoracis latera et scutellum Abdomen ob lanceolatum, thorace multo angustius et fere longius. Sexualia mediocria, hirta. Pedes robusti, setosi, nigri.

1st anal vein forked at one-third of its length; forks parallel towards their base, curved forward at their tips. Discal very narrow at one-third of its length, opposite the veinlet joins it to the first externo-medial. Veinlet between the first medial and the cubital at three-fourths of the length of the discal. Cubital and first externo-medial slightly curved, close to each other; second externo-medial straight; third curved, forming an obtuse angle with the præbrachial, the fourth very far from the border. Subanal joining the 1st the border.

a confinis, *Walk*.

53. TRUPANEA BIFASCIATA.

Nigra; abdomen basi fasciis duabus albo pilosis; alæ avideæ, areola 1a submarginali cinereo vittata.

a bifasciata, *Macq. Dipt. Exot. i. 2, 98, 14.*

54. TRUPANEA WESTERMANNII.

a; thorax vitta intermedia divisa, lateralibus bis interruptis; abdomen nigricans incisuris albis; alæ flavescentes, apice subfusæ.

Westermanni, Wied.

a Westermanni, *Macq. Dipt. Exot. i. 2, 98, 15.*

Java.

55. TRUPANEA MACULOSA.

Fœm. *Cinerea*; abdomen in segmento singulo macula magna nigra, linea dorsali rubida; alæ hyalinæ, apice cinereæ.

Asilus maculosus, Macq. *Hist. Nat. Dipt.* i. 312, 35.

Trupanea maculosa, Macq. *Dipt. Exot.* i. 2, 100, 20.

Philippine Isles.

56. TRUPANEA JAVANA.

Fusca; abdomen albo limbatum; alæ flavidæ, apice marginæ postico fuscæ. Fœm.—*Terebra nigra nitens*.

Asilus Javanus, Wied. *Zool. Mag.* iii. 4, 5; *Dipt. Exot.* i. 205, 4
Auss. Zweifl. i. 494, 103.

Trupanea Javana, Macq. *Dipt. Exot.* i. 2, 98, 13.

Var. ² *Asilus perplexus*, Wied. *Auss. Zweifl.* i. 495, 104.

Java.

57. TRUPANEA UNIVENTRIS.

Trupanea univentris, *Diptera Saundersiana*, Pt. 2, 114.

East Indies.

58. TRUPANEA AGNITA.

Mas. *Fuscana*; antennæ nigræ; thorax fusco quadrivittatus; abdomen fusco-cinereoque tessellatum; pedes nigricantes; alæ subflavescentes, apice marginæ postico cinereæ.

Asilus agnitus, Wied. *Zool. Mag.* iii. 35, 51; *Dipt. Exot.* i. 212, 50
Auss. Zweifl. i. 496, 109.

Sumatra.

59. TRUPANEA MARCII.

Atra; caput flavum; thorax flavido pilosus, trivittatus; abdomen maris segmentis tribus anticis flavido pilosis, fœm. ³ macula magna nigra; alæ flavidæ.

Trupanea Marcii, Macq. *Dipt. Exot.* i. 2, 97, 11, pl. 9, f. 2.

East Indies.

60. TRUPANEA DUVAUCELII.

Nigra; palpi rufo pilosi; thorax rufo tomentosus, vittis nigris; abdominis segmenta 1o ad 3um rufo pilosa; alæ flavidæ.

Trupanea Duvaucelii, Macq. *Dipt. Exot.* i. 2, 97, 12.

Bengal.

61. TRUPANEA RUFOUNGULATA.

Xinerea; abdomen nigro maculatum; pedes atrii albedo pubescentes, unguibus rufis apice nigris; alæ subhyalinæ.

Trupanea rufoungulata, Macq. *Dipt. Exot.* i. 2, 99, 18.

China.

62. TRUPANEA HETEROPTERA.

Las. Cinerea; abdominis segmenta macula magna nigra; pedes nigri; alæ flavidæ venis externo-mediis 1a et 2a conjunctis.

Trupanea heteroptera, Macq. *Dipt. Exot.* i. 2, 96, 9, pl. 9, f. 3.

labar.

63. TRUPANEA FUSCA.

æm. Fusca; abdomen nigro micans; pedes nigri, tibiis anterioribus externe testaceis; alæ flavidæ, postice fuscæ.

Trupanea fusca, Macq. *Dipt. Exot.* i. 2, 104, 29.

gal.

64. TRUPANEA HOSPEs.

æm. Flavida; antennæ nigrae; thorax fusco vittatus; abdomen fasciis glaucescentibus; pedes glauci, femoribus anterioribus apice subtus rufescentibus; alæ limpidae, apice fusco-cinereæ.

Trupanea hospes, Wied. *Zool. Mag.* iii. 32, 47; *Dipt. Exot.* i. 207, 44; *Auss. Zweifl.* i. 495, 105.

nquebar.

65. TRUPANEA ORIENTALIS.

Trupanea; caput flavidum; thorax flavido tomentosus, trivittatus; abdomen cinereum, macula magna in segmento singulo nigra; tibiæ rubidæ; alæ apice fusca.

Trupanea orientalis, Macq. *Dipt. Exot.* i. 2, 96, 7.

Indies.

66. TRUPANEA RUFIBARBIS.

æm. Nigra; flavido pubescens; mystax barbaque fulva; tibiæ testaceæ; alæ flavidæ, macula subapicali fusca.

Trupanea rubibarbis, Macq. *Dipt. Exot. Suppl.* 3, 25, 46, pl. 2, f. 9.

Java.

67. *TRUPANEA CANA*.

Cana; *caput albo hirtum*; *antennæ nigrae*; *thorax vittis nigricantibus*; *abdomen nigro fasciatum*; *tibiæ fulvæ, apicæ nigrae*; *alæ subflavescentes*.

Asilus canus, Wied. *Zool. Mag.* ii. 28; *Dipt. Exot.* i. 204, 39; *Auss. Zweifl.* i. 487, 94.

Region of the Caspian Sea.

68. *TRUPANEA ANICIUS*.

Asilus Anicius, *Cat. of Diptera*, Pt. 2, 392.

a. North China. From Mr. Cuming's collection.

69. *TRUPANEA GOBARES*.

Asilus Gobares, *Cat. of Diptera*, Pt. 2, 420.

70. *TRUPANEA INNOTABILIS*.

Cinerea; *caput albidum, albo pilosum*; *mystax albidus*; *thorax nigro-fusco quadrivittatus*; *abdomen nigrum, segmentis cinereo fasciatis*; *pedes nigri, femoribus tibiisque ex parte rufiscentibus*; *alæ subfuscaæ*.

Cinereous. Head whitish behind and beneath, clothed with white hairs. Mystax with whitish bristles. Thorax with four blackish brown stripes; the lateral pair interrupted, almost black hindward. Pectus whitish. Abdomen black, reddish beneath oblongeolate, about twice the length of the thorax, extending beyond the wings; hind borders of the segments with cinereous bands. Legs black, with whitish down and black spines; femora and tibiæ with reddish stripes. Wings brownish. Halteres testaceous. Length of the body $5\frac{1}{2}$ — $9\frac{1}{2}$ lines; of the wings 8—10 lines.

a—d. Sumatra. From Sir Stamford Raffles' collection.

e. Java. From the East India Company's collection.

71. TRUPANEA APICALIS.

1. *Cinerea*; *abdomen atrum, cinereo pubescens*; *femora tibiæque antica, intermediaque externe fusco testacea*; *alæ subflavescentibus, postice fuscantæ*. Long. $6\frac{1}{2}$ lin.

Trupanea apicalis, Macq. *Dipt. Exot.* i. 2, 100, 19.

China.

72. TRUPANEA MACULIPES.

n. *Aurata*; *thorax nigro-fusco quadrivittatus*; *abdomen atrum, triente apicali stylata*; *pedes rufi, femoribus basi, genibus, tibiis apice tarsisque nigris*; *alæ subhyalinæ, apice cineræ*.

Head and thorax with gilded tomentum. Head with gilded and mystax. Proboscis, palpi and antennæ black. Thorax with blackish brown stripes, the lateral pair interrupted. Abdomen deep black, about twice the length of the thorax, with pale tomentum on each side of the broad part, which is about the length of the apical style. Legs red; coxæ, femora and the base, knees, tarsi and tips of the hind tibiæ black; metatarsi reddish. Wings nearly hyaline, gray towards the Halteres testaceous. Length of the body 10 lines; of the abdomen 6 lines.

g Kong. Presented by J. C. Bowring, Esq.

73. TRUPANEA RUBRITARSATA.

Fusca; *abdomen nigrum, incisuris vix albidis*; *pedes nigri, tibiis tarsisque anterioribus testaceis*; *alæ subhyalinæ, apice subfuscis*.

Trupanea rubritarsata, Macq. *Dipt. Exot.* i. 2, 99, 16.

74. TRUPANEA VARIPES.

n. *Atra*; *facies et mystax flavida*; *barba alba*; *femora subtus tibiæque rufa*; *alæ flavidæ*.

Trupanea varipes, Macq. *Dipt. Exot.* i. 2, 97, 10; *Suppl.* 1, 79,

75. TRUPANEA CONFINIS.

Mas. *Nigricans*; caput et pectus testaceo tomentosa, illum rubius albedo pilosum; mystax testaceus, infra niger; thorax testaceo quadrivittatus; abdomen subtus ferrugineum; segmenta dorsalia fasciis posticis interruptis albidis; pedes rufi, femoribus supra nigris, tibiis supra nigro vittatis; alæ subcinereæ, apicibus marginibusque posticis obscurioribus.

Male. Blackish. Head with testaceous tomentum, clothed beneath with whitish hairs. Mystax testaceous; a few black bristles towards the peristoma. Thorax with four testaceous stripes. Pectus testaceous. Abdomen with whitish interrupted bands on the hind borders of the segments; under side ferruginous. Legs red; femora black above; tibiæ above with black stripes. Wings grayish, darker towards the tips and along the hind border. Length of the body 8 lines; of the wings 14 lines.

a. Java. From the East India Company's collection.

76. TRUPANEA MANILLIENSIS.

Mas. *Nigra*; abdomen basi fasciis duabus albo pilosis; pedes externe fulvi; alæ flavidæ.

Trupanea Manillensis, Macq. *Dipt. Exot.* i. 2, 194; *Suppl.* 1, 79. Manilla.

77. TRUPANEA CONTRACTA.

Trupanea contracta, *Diptera Saundersiana*, Pt. 2, 120. East Indies.

78. TRUPANEA TELIFERA.

Trupanea telifera, *Diptera Saundersiana*, Pt. 2, 115. East Indies.

79. TRUPANEA SAGITTIFERA.

Trupanea sagittifera, *Diptera Saundersiana*, Pt. 2, 116. East Indies.

80. TRUPANEA CEYLANICA.

Fœm. *Cinerea*; caput albidum; abdomen nigrum, incisura cinereis; pedes testacei; alæ hyalinæ, apice cinereæ.

Trupanea Ceylanica, Macq. *Dipt. Exot.* i. 2, 100, 20. Ceylon.

81. TRUPANEA FLAVIBARBIS.

Macq. Fusca; thorax flavidus; abdomen cinereum, macula magna in segmento singulo nigra; pedes fulvi, tarsi nigri; alae flavescentes.

panea flavibarbis, Macq. Dipt. Exot. i. 2, 96, 8.
dicherry.

82. TRUPANEA COPILLUS.

us Copillus, Cat. of Diptera, Pt. 2, 389.

83. TRUPANEA CALANUS.

panea Calanus, Diptera Saundersiana, Pt. 2, 122.
; Indies.

Australia.

venæ cubitalis et externo-media la non conjunctæ.

. Alæ violaceo-fuscanæ. - - - grandis, Macq.

. Alæ sublimpidæ, apice cineræ. - - - canescens, Walk.

. Alæ flavescentes.

A. Femora nigra. - - - Tasmanensis, Macq.

B. Femora fulva. - - - rufipes, Macq.

venæ cubitalis et externo-media conjunctæ. - - clausa, Macq.

Group 1.

Fæm. Corpus gracile, parce pubescens, non hirtum. Caput us dense pilosum. Facies subconvexa. Mystax sat dense us. Proboscis sublanceolata. Thoracis latera, scutellum et minis latera basi parce setosa. Abdomen oblanceolatum, thoracis fere duplo longius, alas longe superans. Pedes sat graciles, e setosi, non hirti.

Radial vein forked at rather before half its length; forks almost parallel, except towards the base, their tips curved forward. Vein between the radial and the cubital at three-fourths of the length of the discal areolet; veinlet between the cubital and the first medio-medial before half the length of the discal areolet. Cubital and first externo-medial slightly curved hindward, parallel to each other; second externo-medial nearly straight; third hardly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal almost parallel to the border.

84. TRUPANEA GRANDIS.

Atra ; *facies mystaxque flavida, barba alba* ; *abdomen cyanesens* ;
tibiæ castaneæ ; *alæ violaceo-fuscaneæ*.

Trupanea grandis, *Macq. Dipt. Exot. i. 2, 101, 22.*

New Holland.

85. TRUPANEA CANESCENS.

Fœm. Cinerea ; *caput subtus album alboque pilosum* ; *mystax albus* ; *antennæ nigræ* ; *thorax piceo bivittatus* ; *pectus cinereum* ; *abdominis segmenta nigro fasciata* ; *pedes cinerorufescentes* ; *femora nigro-cinerea* ; *alæ sublimpidæ, apice cinereæ*.

Cinereous. Head white in front and beneath, clothed with white hairs. *Mystax* white. *Antennæ* black. *Thorax* with two slender parallel dorsal piceous stripes ; bristles black. *Pectus* and *meta-thorax* hoary. *Abdominal segments* with broad blackish bands. *Legs* with cinereous tomentum and with black spines ; *coxæ* and *femora* black ; *tibiæ* and *tarsi* reddish. *Wings* nearly limpid, with cinereous tips ; veins black, tawny at the base. *Halteres* tawny. Length of the body 8 lines ; of the wings 10 lines.

«. New Holland.

86. TRUPANEA TASMANENSIS.

Mas. Cinerea ; *mystax flavidus* ; *antennæ pedesque nigra* ; *thorax vittis nigris* ; *abdomen maculis dorsalibus nigris postice rotundatis* ; *tibiæ testaceæ* ; *alæ flavescentes*.

Trupanea Tasmanensis, *Macq. Dipt. Exot. Suppl. 2, 39, 45.*

Tasmania.

87. TRUPANEA RUFIPES.

Mas. Cinerea ; *mystax albus* ; *antennæ nigræ* ; *thorax vittis nigris, intermedia divisa* ; *abdomen maculis dorsalibus nigris* ; *pedes fulvi, tarsi nigris* ; *alæ subflavescentes*.

Trupanea rufipes, *Macq. Dipt. Exot. Suppl. 3, 26, 47, pl. 2, f. 8.*

New Holland.

88. TRUPANEA CLAUSA.

Das. Nigra; mystax albidus; abdominis incisuræ albida; alæ subflavescentes; venæ cubitalis ramus posticus vena externo-media longe ante marginem conjunctus.

ipanea clausa, Macq. Dipt. Exot. Suppl. 1, 80, 42, pl. 8, f. 5, w Holland.

Country unknown.

Pedes toti nigri.

1. *Mystax niger.*

A. *Thorax cinereus.* - - - - - *vagans, Wied.*

B. *Thorax fuscus.* - - - - - *incisuralis, Macq.*

B. *Mystax flavescens.*

A. *Thorax cinereus, nigro vittatus.* - - - *blanda, Wied.*

B. *Thorax fuscus nigro vittatus.* - - - *vicina, Macq.*

C. *Thorax flavidus, obsolete vittatus.* - - - *mœrens, Wied.*

C. *Mystax albus.* - - - - - *separata, Walk.*

Pedes nigri, ex parte pallidi.

A. *Tarsi testacei.* - - - - - *longipes, Macq.*

B. *Tibiæ basi testaceæ.* - - - - - *incisa, Macq.*

C. *Tibiæ testaceæ, anticæ intus posticæ extus nigrae.*
albibarbis, Macq.

D. *Tibiæ fulvæ aut testaceæ.*

A. *Abdomen cinereo-fuscoque tessellatum.* - *sericans, Wied.*

B. *Abdomen cinereum, maculis nigris.* - - *tibialis, Macq.*

C. *Abdomen basi rufo pilosum.* - - - *longiterebrata, Macq.*

Pedes castanei. - - - - - *castanipes, Macq.*

Femora et tibiæ rufa, apice nigra. - - - *Amorges, Walk.*

Pedes rufi aut fulvi.

A. *Thorax niger.*

A. *Antennæ nigrae.* - - - - - *fulvipes, Macq.*

B. *Antennæ fulvæ, apice nigrae.* - - - *Geminus, Walk.*

B. *Thorax rubidus, fusco vittatus.* - - - *dorsalis, Macq.*

C. *Thorax fulvus; discus fuscus, vittis dorsalibus pallidioribus*
duabusque nigris lateralibus. - - - *porrecta, Walk.*

Group 1.

Corpus longiusculum, fere nudum. Caput subtus pilosum; rostrum depressum; facies fere plana. Mystax setis paucis. Proboscis valida, lanceolata. Thorax setis nonnullis lateralibus. Abdomen longi-oblongum, subpubescens, alas longe superans, basi

subpilosum, apicem versus fere cylindricum, non compressum nec stylatum, thorace duplo longius. Pedes sat graciles, parce spinosi, non pilosi.

Radial vein forked at very little beyond one-third of its length; fore fork nearly straight, joining the subcostal close to the tip of the latter. Cubital and first externo-medial very slightly converging towards each other as they approach the border; cubital joined to the radial by a veinlet at much before the end of the discal areolet, and with the præbrachial by a veinlet at very little before the middle of the discal areolet. Third externo-medial forming a very slightly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal very near the border.

Trupanea separata, Walk.

Group 2.

Structure of the first African group.

Trupanea Amorges.

Group 3.

Structure of *T. annularis*.

Trupanea } *Geminus*.

89. TRUPANEA VAGANS.

Fœm. *Cinerea*; antennæ *nigræ*; thorax *nigro vittatus*; abdomen *nigellum*, vitta *luteo*, incisuris *marginibusque lateralibus cinereis*; pedes *nigricantes*, tibiis *basi castaneo fuscescentibus*; alæ *subflavescentes*, apice *marginæque postico fuscescentes*.

Trupanea vagans, Wied. *Auss. Zweifl.* i. 488, 95.

90. TRUPANEA INCISURALIS.

Mas. *Fusca*; thorax *nigro vittatus*; abdomen *nigrum*, incisuris *albidis*; pedes *nigri*; alæ *fuscae*.

Trupanea incisuralis, Macq. *Dipt. Exot.* i. 2, 107, 38; *Suppl.* 1, 80.

91. TRUPANEA BLANDA.

Cinerea; thorax *nigro-fusco quadrivittatus*; abdomen *fasciis albidis maculisque fuscis*; pedes *nigri*; alæ *flavocinctis*, apice *cinereo-fuscae*.

Asilus blandus, Wied. *Auss. Zweifl.* i. 497, 108.

92. TRUPANEA VICINA.

œm. *Fusca; thorax vittis nigris; abdomen albo limbatum; pedes nigri; alæ hyalinæ, areolarum discis et apice fuscis.*

panea vicina, *Macq. Dipt. Exot. i. 2, 105, 33.*

93. TRUPANEA MÆRENS.

œm. *Flavida; antennæ nigræ; thorax obsolete vittatus; abdomen glabrum, nigrum, fasciis marginibusque cinereis; alæ flavæ; pedes crassi, nigri.*

us mærens, *Wied. Auss. Zweifl. i. 493, 101.*

94. TRUPANEA SEPARATA.

œm. *Obscure cinerea; caput albido tomentosum, subtus albo hirtum; antennæ nigræ; mystax albus; pectus cano tomentosum; abdomen apicem versus nigrum nitens; alæ fusco-cinereæ.*

Fem. Dark gray. Head with whitish tomentum, clothed beneath with white hairs. Mystax with white bristles. Antennæ black. Abdomen black and shining towards the tip. Legs with black spines. Wings brownish gray; veins black. Length of the body 11 lines; of the wings 16 lines.

95. TRUPANEA LONGIPES.

♂as. *Gracilis, rufo-cinerea; thorax nigro vittatus; abdomen albo fasciatum; pedes elongati nigri, tarsi testaceis; alæ flavescens, apice subfusca.*

panea longipes, *Macq. Dipt. Exot. i. 2, 103, 28, pl. 9, f. 5.*

96. TRUPANEA INCISA.

♂as. *Atra; thorax flavo-cinereus, nigro vittatus; abdominis incisuræ albida; tibiæ basi testaceæ; alæ flavidæ, apice fuscæ.*

panea incisa, *Macq. Dipt. Exot. i. 2, 106, 35.*

97. TRUPANEA ALBIBARBS.

œm. *Cinerea; abdominis segmentum singulum macula magna nigra; pedes nigri; tibiis testaceis, anticis intus posticis extus nigris; alæ flavidæ, apice fuscæ.*

Trupanea albibarbis, *Macq. Dipt. Exot.* i. 2, 105, 32.

Trupanea tibialis, *fœm.* ?

98. TRUPANEA SERICANS.

Suborichalcea ; *antennæ nigre* ; *thorax fusco vittatus* ; *abdomen cinereo-fuscoque subtessellatum* ; *pedes nigri, tibiis fulvis* ; *alæ subflavescentes, apice fusco-cinereæ.*

Asilus sericans, *Wied. Auss. Zweifl.* i. 495, 107.

99. TRUPANEA TIBIALIS.

Mas. Cinerea ; *abdominis segmentum singulum macula magna nigra* ; *femora tarsique nigra, tibiæ rufæ* ; *alæ fuscæ.*

Trupanea tibialis, *Macq. Dipt. Exot.* i. 2, 104, 31.

100. TRUPANEA LONGITEREBRATA.

Fœm. Nigra ; *thorax rufus nigro vittatus* ; *abdominis segmentum 1o ad 3um rufo pilosa* ; *tibiæ testaceæ* ; *alæ fuscæ.*

Trupanea longiterebrata, *Macq. Dipt. Exot.* i. 2, 105, 34.

101. TRUPANEA CASTANIPES.

Mas. Fuscato-cinerea ; *abdomen incisuris anoque albis* ; *pedes castanei* ; *alæ fuscæ.*

Trupanea castanipes, *Macq. Dipt. Exot.* i. 2, 107, 39.

102. TRUPANEA AMORGES.

Asilus Amorges, *Cat. of Diptera*, Pt. 2, 391.

103. TRUPANEA FULVIPES.

Mas. Atra ; *scapulæ testaceæ* ; *abdomen incisuris albidis, basi flavido piloso* ; *pedes fulvis* ; *alæ subflavescentes.*

Trupanea fulvipes, *Macq. Dipt. Exot.* i. 2, 106, 37.

104. TRUPANEA GEMINUS.

Asilus Geminus, *Cat. of Diptera*, Pt. 2, 396.

105. *TRUPANEA DORSALIS*.

Cinerea ; *caput albidum* ; *thorax rubidus, fusco vittatus* ; *abdomen fuscum, vitta dorsali cinerea, incisuris albidis* ; *pedes rufi* ; *ala subflavescentes*.

Trupanea dorsalis, *Macq. Dipt. Exot. i. 2, 106, 36, pl. 9, f. 4.*

106. *TRUPANEA PORRECTA*.

Trupanea porrecta, *Diptera Saundersiana, Pt. 2, 126.*

Genus 4. *ERAX*.

Corpus non depressum, nec ciliatum. Facies valde prominens. *Sexualia magna, producta, faem. terebra extensa. Alarum a radialis simplex* ; *cubitalis furcata* ; *furca antica saepissime nulum rejiciens.*

x, *Scopoli* ; *Serville. Macq. Dipt. Exot. i. 2, 107.*

lus p., Fabr. ; Wied.

x et *Eristicus, Loew.*

Loew describes *Erax* and his new genus *Eristicus* by the following characteristics, but does not mention the types of either of them :—

ERAX.

Abdomen plus minusve compressum.

Mas. Sexualia magna, compressa, elevata.

Faem. Sexualia longa, valde compressa.

x, *Loew, Linn. Ent. iii. 396, 3, 403.*

ERISTICUS.

Abdomen depressum.

Mas. Sexualia latissima, valde incrassata, non elevata.

Faem. Sexualia brevissima, plus minusve depressa.

isticus, Loew, Linn. Ent. iii. 396, 4, 403.

This genus appears to connect *Mallophora* and *Trupanea* with other *Asilites*, as regards the venation of the wings. In *Erax* a branch which is very generally emitted from the angle of the fork of the cubital vein is only rudimentary, but in *Trupanea* it continued backwards to the radial, and thus the latter has the appearance of being forked, and the cubital of being simple, and connected with the radial by a short transverse veinlet. The

difference may be thus described: Fore cubital fork emitting a vein which extends to the radial vein (Mallophora, Trupanea). Fore cubital fork emitting a rudimentary vein, or none (Erax, Asilus, &c.)

North America.

- A. Pedes nigri. - - - - - lateralis, *Mas.*
 B. Femora nigra.
 A. Tibiæ badiæ.
 a. Thorax canus, nigro vittatus. - - - niger, *Wal.*
 b. Thorax fuscescens, vittis nigris. - - - pogonius, *Wal.*
 c. Thorax non vittatus. - - - completus, *Mas.*
 B. Tibiæ tarsique badia.
 a. Alæ dilatatæ. - - - - - macrolabis, *Wal.*
 b. Alæ non dilatatæ. - - - - - Antiphon, *Wal.*
 C. Tibiæ anteriores testacæ. - - - - - rufibarbis, *Mas.*
 D. Tibiæ testacæ aut rufæ, apice nigræ.
 a. Thorax niger.
 i. Alæ flavidæ aut hyalinæ.
 i. *Mas.* Abdominis segmenta tria apicalia alba.
 Bastardi, Mas.
 ii. *Mas.* Abdominis segmenta duo apicalia alba.
 albibarbis, Mas.
 b. Alæ subrufescentes. - - - - - tibialis, *Mas.*
 b. Thorax fuscus. - - - - - incisuralis, *Mas.*
 c. Thorax rubido-fuscus. - - - - - æstuans, *Lin.*
 d. Thorax suborichalceus. - - - - - apicalis, *Wal.*
 e. Tibiæ testacæ. - - - - - vicinus, *Mas.*
 B. Pedes testacei.
 A. Femora nigra. - - - - - femoratus, *Mas.*
 B. Femora subtus nigra. - - - - - ambiguus, *Mas.*
 C. Pedes picei; tibiæ ferruginæ, apice piceæ. *Duscyllus, Wal.*
 D. Pedes rufi aut testacei.
 A. Abdominis segmenta duo apicalia alba. - - - notabilis, *Mas.*
 B. Abdomen argenteum, maculis dorsalibus nigris.
 argyrogaster, Mas.

Group 1.

Corpus sat gracile, hirtum, setosum. Facies apud epistomum valde convexa. Mystax dense setosus. Proboscis valida, linearis. Antennarum articulus 3us subfusiformis, 1o paullo brevior; articulus 3o duplo longior. Abdomen alas superans. Pedes validi, spinosi. *Mas.*—Sexualia magna. *Fæm.*—Abdomen triente apicaliter stylata.

Radial vein almost straight, joining the subcostal at rather far from the tip of the latter. Cubital forked at very much beyond half length; forks very slightly undulating, slightly approaching each other near each end; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is much longer than the hind side of the angle. First externo-medial vein slightly curved; second straight; third curved, forming a hardly obtuse angle with the præbrachial, joining the fourth at rather far from the border. Anal joining the anal near the border.

x niger, *Wied.*; *E. femoratus*, *Macq.*; *E. Dascyllus*, *Walk.*

Group 2.

Mas. Corpus elongatum, parce hirtum. Caput subtus densius pilosum. Facies valde convexa. Mystax sat dense setosus. Ocellis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o brevior; arista 3o triplo longior. Thoracis latera et scutellum subsetosa. Abdomen alas longe superans. Tarsalia magna. Pedes validi, hirti, spinosi.

Radial vein nearly straight, joining the subcostal far from the tip of the latter. Cubital forked at rather before two-thirds of its length; fore fork forming a nearly right angle whose basal side is a little longer than the branch which it emits; hind fork slightly undulating. First and second externo-medial veins nearly straight; third almost straight, forming a hardly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Anal joining the anal near the border.

x Antiphon, *Walk.*

Group 3.

Mas. Corpus robustum, valde hirtum. Caput subtus densius pilosum. Facies parum convexa. Mystax densissime setosus. Ocellis sublancoolata. Thoracis latera et scutellum setosa. Abdomen alas multo longius. Pedes robusti, spinosi, pilisque longius hirti.

Radial vein hardly undulating, joining the subcostal at some distance from the tip of the latter. Cubital forked at half its length; forks very slightly curved, slightly approaching each other towards each end; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is a little longer than the hind side of the angle. First, second and third externo-medial veins nearly straight; third forming a hardly obtuse angle with the

præbrachial, which is much curved, joining the fourth far from border. Subanal joining the anal very near the border.

Erax rufibarbis, *Macq.*

Group 4.

Mas. Corpus elongatum, parce hirtum. Caput subtus sissime pilosum. Facies valde convexa. Mystax dense ac Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o brevior; arista 3o fere triplo longior. Thoracis latera et scutellum setis nonnullis. Abdomen alas superans. Alia maxima. Pedes validi, spinosi, hirti.

Radial vein almost straight, joining the subcostal rather from the tip of the latter. Cubital forked at very much beyond its length; forks converging towards each end; fore fork slightly curved, forming at its base an obtuse angle, which is a branch; the latter is much longer than the basal side of the a hind fork rather deeply curved. First, second and third external medial veins very slightly curved; third forming an almost angle with the præbrachial, joining the fourth at far from border. Subanal joining the anal at some little distance from border.

Erax Bastardi, *Macq.*

Group 5.

Mas. Corpus parce pilosum. Caput subtus densissimum. Facies valde convexa. Mystax densissime setosum. Proboscis linearis. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o brevior; arista 3o triplo longior. Thoracis latera setosa. Sexualia maxima, pilosa. Pedes robusti, pilosi, spinosi.

Male. Radial vein straight, joining the subcostal at rather from the tip of the latter. Cubital forked at very much beyond its length; forks slightly curved, slightly converging towards end; fore fork forming at its base an obtuse angle, which is a branch that is shorter than its basal side. First and second external medial veins nearly straight; third slightly curved, forming a right angle with the præbrachial, joining the fourth far from border. Wings slightly or hardly dilated along the costa at thirds of the length.

Erax æstuans, *Linn.*

Group 6.

Corpus mediocre, parce hirtum. Caput subtus pilosum. Facies apud epistoma valde convexa. Mystax dense setosus. Proboscis

lida, lanceolata. Antennarum articulus 3us lanceolatus, 1o paullo
 magis; arista 3o vix longior. Thorax utrinque parce setosus.
 Abdomen oblanceolatum, fere nudum. Pedes validi, pilosi. *Mas.*—
 Abdomen alas longe superans. Sexualia mediocria. Pedes pilosi.
sem.—Abdomen alas longe superans, apicem versus subcompressum
 subattenuatum. Pedes parce pilosi.

Fem. Radial vein nearly straight, joining the subcostal at
 rather far from the tip of the latter. Cubital vein forked at before
 half its length; the forks very slightly curved, converging towards
 their base, and more slightly so towards their tips; fore fork forming
 its base a right angle, which emits a branch; the latter is full
 of the length of the basal side of the angle. First and second
 transverse-medial veins nearly straight; third curved, forming a nearly
 right angle with the præbrachial, which is curved, joining the fourth
 very far from the border. Subanal joining the anal at some little
 distance from the border.

apicalis, *Wied.*

1. ERAX LATERALIS.

*Ater; abdominis latera albedo maculata, segmenta ultima albida
 medio testacea aut nigra; alæ fuscæ.*

Erax lateralis, *Macq. Dipt. Exot. i. 2, 116, 21.*

Philadelphia.

2. ERAX NIGER.

*Fœm. Niger; mystax albidus; thorax canus, nigro vittatus;
 tibiæ badiæ; alæ flavescens.*

Erax niger, *Wied.*

Georgia.

3. ERAX POGONIAS.

*Fuscus; mystax albidus; thorax obsoletissime nigro vittatus;
 pedes nigri, tibiis badiis apice nigris; alæ flavescens.*

Eusypogon barbatus, *Fabr. Syst. Antl. 169, 22.*

Erax pogonias, *Wied. Dipt. Exot. i. 198, 29; Auss. Zweifl. i. 460,
 54.*

North America.

4. ERAX COMPLETUS.

*Mas. Ater; barba alba; abdominis segmenta duo apicalia nivea;
 tibiæ castaneæ; alarum venæ flavo limbatæ, vena submarginali
 externa integra.*

Erax completus, Macq. *Dipt. Exot.* i. 2, 117, 23, pl. 9, f. 9.
North America.

5. ERAX MACULABIS.

Mas. *Nigellus*; thorax vittis cinereis; abdomen vittis canis; segmenta quatuor apicalia subargentea; tibiæ tarsique badia; alæ flavescentes; costæ apice incrassata.

Asilus maculabis, Wied.

6. ERAX ANTIPHON.

Mas. *Niger*; caput album, subtus albo pilosum; mystax niger, infra albus; thorax ferrugineo quadrivittatus; abdominis segmenta marginibus posticis ferrugineis; tibiæ tarsique obscure rufa; alæ subfuscae.

Asilus Antiphon, Cat. of *Diptera*, Pt. 2, 397.

The previous description of this species is erroneous.

a. Georgia. From Mr. Abbot's collection.

7. ERAX RUFIBARBIS.

Ater; mystax rufus; abdominis segmenta incisuris cinereis, maris segmenta duo apicalia alba; tibiæ anteriores testaceæ; alæ maris limpidæ, fœm. venis fusco limbatis.

Erax rufibarbis, Macq.

North America.

8. ERAX BASTARDI.

Ater; abdominis segmenta maris tria apicalia nivea, fœm. omnia albido marginata; tibiæ rufæ, apice nigræ; alæ flavidæ.

Erax Bastardi, Macq. *Dipt. Exot.* i. 2, 117, 25, pl. 9, f. 7.

North America.

9. ERAX ALBIBARBIS.

Mas. *Ater*; abdomen basi segmentaque duo apicalia argentea; tibiæ rufæ apice nigræ; alæ hyalinæ.

Erax albibarbis, Macq. *Dipt. Exot.* i. 2, 118, 26.

North America.

10. ERAX TIBIALIS.

Fœm. *Ater*; abdominis latera incisuris et venter cinereis; tibiæ testaceæ apice nigræ; alæ subrufescentes. Long. $6\frac{1}{2}$ lin.

x tibialis, *Macq. Dipt. Exot.* i. 2, 118, 27.

ladelphia. St. Domingo. Cayenne.

11. ERAX INCISURALIS.

œm. *Fuscus; abdominis incisuræ lateraque albida, terebra longa; tibiæ testaceæ, apice nigræ; alæ subfuscæ.*

x incisuralis, *Macq. Dipt. Exot.* i. 2, 117, 24.

ladelphia.

12. ERAX ÆSTUANS.

Rubido-fuscus; thorax nigro lineatus; abdomen tessellatum; maris segmenta duo penultima alba; alæ dilatata.

lus æstuans, *Linn.*

ited States. Brazil.

13. ERAX APICALIS.

œm. *Suborichalceus; mystax albus; antennæ nigræ; thorax nigro vittatus; abdomen nigrum, maculis trigonis lateralibus incisurisque canis; tibiæ rubidæ, apice nigræ; alæ limpida, apice subfuscescentes.*

us apicalis, *Wied. Dipt. Exot.* i. 191, 16; *Auss. Zweifl.* i. 443, 28.

th America.

14. ERAX VICINUS.

las. *Niger; thorax fuscus, vittis nigris; abdomen basi apiceque album; tibiæ testaceæ; alæ subflavescentes.*

x vicinus, *Macq. Dipt. Exot. Suppl.* 1, 85, 36.

as.

15. ERAX FEMORATUS.

las. *Ater; abdominis latera et venter cinerea; segmenta tria apicalia argentea; pedes testacei, femoribus nigris; alæ rufescentes, subdilatata.*

x femoratus, *Macq.*

olina.

16. ERAX AMBIGUUS.

Niger; thorax cinereus vittis nigris; abdomen fasciis albidis, ano brevi; pedes testacei, femoribus subtus nigris; alæ subflavescentes.

Erax ambiguus, Macq. Dipt. Exot. Suppl. 1, 84, 34.

Texas. Merida de Yucatan.

17. ERAX DASYLLUS.

Asilus Dasyllus, Cat. of Diptera, Pt. 2, 401.

18. ERAX NOTABILIS.

Mas. Ater; abdominis latera et venter cinerea, segmenta apicalia albida; pedes rufi; alæ subrufescentes, dilatate; furca cubitalis antica ramulo nullo.

Erax notabilis, Macq. Dipt. Exot. i. 2, 110, 6, pl. 9, f. 8.

North? America.

19. ERAX ARGYROGASTER.

Thorax cinereus, vittis nigris; abdomen argentum, maculis dorsibus nigris; pedes testacei; alæ subflavescentes.

Erax argyrogaster, Macq. Dipt. Exot. Suppl. 1, 84, 35.

Merida, Yucatan.

Mexico.

Group 1.

Corpus longe et dense pilosum. Facies valde convexa. *Myrtax* densissimus. Proboscis robusta, lanceolata. Thorax gibbosus, carina hirsutissima. Pedes validi, hirti, spinosi. *Mas.*—Abdomen alas non superans. Sexualia maxima. *Fem.*—Abdomen alas longe superans, triente apicali stylata.

Cubital vein forked at very much beyond half its length; fork slightly curved, converging towards each end; fore fork forming at its base an obtuse angle, which emits no branch. First and second externo-medial veins nearly straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at a short distance from the border. *Male.*—Wings dilated in front towards the tips; dilated part ribbed transversely.

20. *ERAX APER.*

hirsutus, nigro et ferrugineo hirtus; caput subtus albido pilosum.

Mystax nigro et albido, setosus; thorax ferrugineo bivittatus; fasciculo postico albido; pectus ferrugineum; pedes nigri, tarsis basi tibiisque rufis; alæ fusæ. Mas.—Abdomen fascia lata alba. Fœm.—Abdominis latera cervina.

Piceous. Head with whitish hairs. Mystax with black and whitish bristles. Thorax with black dorsal hairs and with testaceous lines on each side and on the scutellum. Tarsi towards the base with black hairs, and with some white hairs about the middle part, where there is a broad white band. *Fem.*—Abdomen with testaceous sides. Length of the body 7—10 lines; of the wings 15—16 lines.

. Mexico. From Mr. Glennie's collection.

West Indies.

Pedes nigri.

1. Thorax nigro quadrivittatus. - - - Caudex, *Walk.*

2. Thorax nigro trivittatus. - - - invariis, *Walk.*

Tibiæ fulvæ.

. *Mystax niger, albido mixtus.*

A. *Alæ flavescens.* - - - rufitibia, *Macq.*

B. *Alæ limpidæ, apice subfuscescentes.* - fortis, *Walk.*

3. *Mystax albus.* - - - Haitensis, *Macq.*

Tibiæ tarsique testaceæ. - - - fulvibarbis, *Macq.*

Pedes pallidi; femora ex parte, tibiæ apice tarsique nigra.

Halæsus, Walk.

Group 1.

Caput subtus densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis valida, lanceolata. Antennarum funiculus 3us longiconicus, 1o brevior, aristæ dimidio multo brevior. Erax hirtus. Abdomen subpubescens, basi hirtum, alas superans. Legs validi, hirti, spinosi. Mas.—Sexualia maxima. Fœm.—Abdomen triente apicali stylata.

Radial vein almost straight, joining the subcostal at rather far from the tip of the latter. Cubital forked at very much beyond half length; the forks very slightly curved, slightly converging at each end. First, second and third externo-medial veins slightly curved; the first forming an obtuse angle with the præbrachial, joining the

fourth far from the border. *Male*.—Branch of the fore fork of the cubital vein shorter than the basal side of the angle. *Fem*.—Branch shorter than the angle.

Erax Caudex, Walk.

Group 2.

Mas. Corpus mediocre, robustum, hirtum. Caput subtus, densissime pilosum. Facies valde convexa. Mystax densissimus. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o multo brevior; arista 3o triplo longior. Thoracis latera parce setosa. Abdominis dimidium basale pilosum. Sexualia maxima, subtus hirsutissima. Pedes validi, pilosi, spinosi.

Wings ribbed and slightly dilated in front along the stigma. Cubital vein forked at very much beyond half its length; fork hardly undulating; fore fork forming near its base an obtuse angle, which emits a very minute rudimentary vein. First and second externo-medial veins almost straight; third hardly curved, forming a nearly right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Erax fortis, Walk.

Group 3.

Mas. Corpus sat gracile, vix hirtum. Caput subtus pilosum. Facies convexa. Mystax setis paucis. Proboscis sublanceolata. Thoracis latera et scutellum parce setosa. Abdomen alas superans. Sexualia magna. Pedes validi, parce spinosi; femora subpilosa.

Radial vein as usual. Cubital vein forked at very much beyond half its length; forks slightly curved, converging more towards the base than towards the tips; fore fork emitting at its base a slightly obtuse angle, which emits a branch; the latter is not more than half the length of the basal side of the angle. Externo-medial veins nearly straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax Halæsus, Walk.

21. ERAX CADEX.

Asilus Caudex, Cat. of Diptera, Pt. 2, 404.

22. *ERAX INVARIUS*.

x invarius, *Diptera Saundersiana*, Pt. 2, 131.

Jaica.

23. *ERAX RUFITIBIA*.

Æm. Ater; mystax niger, albido mixtus; thorax albo lineatus; abdomen incisuris lateribusque cinereis, segmento ultimo albo; tibiæ fulvæ; alæ flavescentes.

x rufitibia, *Macq. Dipt. Exot. Suppl.* 3, 27, 42, pl. 2, f. 11.

Domingo. Rio Negro.

24. *ERAX FORTIS*.

Mas. Niger, cinereo tomentosus; caput subtus albidum alboque pilosum; mystax albo pilosus, setis nonnullis superioribus nigris; thorax vittis tribus latis nigris; abdominis segmenta posteriora marginibus posticis testaceis; tibiæ fulvæ, apice nigra; tarsi subtus rufescentes; alæ limpidæ, apices versus subfuscescentes.

Male. Black, with cinereous tomentum. Head whitish and thickly clothed with white hairs beneath. Mystax white, excepting a few black bristles on the higher part. Thorax with three broad black stripes, the lateral pair interrupted. Fourth, fifth and sixth abdominal segments with testaceous hind borders. Legs with white hairs, and with black and white spines; tibiæ tawny, with black tips; tarsi piceous at the base, reddish beneath. Wings limpid, very slightly brownish towards the tips and along part of the hind borders; veins black, tawny towards the base. Halteres very small, with blackish knobs. Length of the body 7 lines; of the wings 9 lines.

St. Domingo. From Mr. Hearne's collection.

25. *ERAX HAITENSIS*.

Mas. Ater; mystax albus; thorax lineis cinereis; tibiæ fulvæ; alæ flavescentes, maris dilatata, venæ cubitalis furca antica simplici.

x Haitensis, *Macq. Dipt. Exot. Suppl.* 3, 28, 45, pl. 2, f. 10.

Domingo.

26. ERAX FULVIBARBIS.

Fœm. *Niger* ; *facies et frons luteæ* ; *thorax fulvus, vittis nigris* ; *abdomen maculis lateralibus albis* ; *tibiæ tarsique testaceæ* ; *alæ subfuscæ, basi costaque limpideæ*.

Erax fulvibarbis, *Macq. Dipt. Exot. Suppl.* 3. 28, 44, pl. 2, f. 13.
St. Domingo.

27. ERAX HALÆSUS.

Asilus Halæsus, *Cat. of Diptera*, Pt. 2, 405.

Jamaica.

South America.

A. Alæ fuscæ aut subfuscæ.

A. Pedes toti nigri.

a. Venæ cubitalis furca antica ramulum non rejiciens.

a. Alæ subdilatatæ. - - - - fulvithorax, *Macq.*

b. Alæ non dilatatæ. - - - - culiciformis, *Walk.*

b. Venæ cubitalis furca antica ramulum rejiciens.

a. Thorax fulvus nigro quadrivittatus.

i. Abdominis latera alba. - - - Lades, *Walk.*

ii. Abdominis latera nigra. - - - Parphorus, *Walk.*

b. Thorax canus, nigro bivittatus. - - dilectus, *Walk.*

B. Pedes nigri ; tibiæ pallidæ, apice nigræ.

a. Tibiæ nigro non vittatæ.

a. Thorax niger. - - - subappendiculatus, *Macq.*

b. Thorax ferrugineus, vittis quatuor nigris.

Potamon, *Walk.*

c. Thoracis discus fuscus, vittis tribus cinereis.

commiles, *Walk.*

b. Tibiæ nigro vittatæ. - - - - Amphissa, *Walk.*

C. Pedes nigri ; tibiæ pallidæ.

a. Alæ albo non strigatæ.

a. Thorax fuscus. - - - - obscurus, *Macq.*

b. Thorax cinereus, vittis nigris. - - nigrimystaceus, *Macq.*

c. Thorax fulvidus, vittis nigris. - - fuscipennis, *Macq.*

b. Alarum venæ albido limbatæ. - - singularis, *Macq.*

D. Pedes rufi ; femora supra, tibiæ posticæ intus tarsique nigra

rufipes, *Macq.*

E. Femora et tibiæ fulva, apice nigra. - Mygdon, *Walk.*

F. Pedes fulvi ; tarsi nigri.

a. Mystax supra niger, subtus flavidus. - heteropterus, *Macq.*

b. Mystax albidus. - - - - rufithorax, *Macq.*

1. Alæ flavæ aut flavescentes.

A. Pedes nigri (*E. maculatus*, var. Femora tibique supra testacea).

A. Thorax non vittatus.

a. Thorax niger. - - - - griseus, *Guérin*.b. Thorax cinereus. - - - - maculatus, *Macq.*B. Thorax schisticolor, nigro vittatus. - - tristis, *Wied.*C. Thorax cinerascens, nigro vittatus. - - nigrinus, *Wied.*D. Thorax lineis albidis. - - - - minor, *Macq.*B. Pedes picei. - - - - striola, *Fabr.*

C. Pedes nigri; femora tibique intus testacea.

flavianalis, *Macq.*

D. Pedes nigri; femora apice, tarsi basi tibique rubida.

A. Abdominis segmenta duo apicalia nivea.

pyrrhogonus, *Wied.*B. Abdominis segmenta tria apicalia nivea. medianus, *Wied.*

E. Pedes mellei; femora supra, tibie tarsique postica fusca.

virilis, *Wied.*

F. Pedes rufescentes; femora supra nigro-fusca.

eurylabis, *Wied.*

G. Pedes nigri; tibie fulvæ apice nigræ, anticæ intus nigræ.

flavo-fasciatus, *Wied.*

H. Pedes nigro-fusci; tibie rufescentes, apice nigræ.

lascivus, *Wied.*

I. Pedes nigri; tibie pallidæ.

A. Thorax vittis nigris.

a. Fœminæ abdomen incisuris subargenteis.

labidophorus, *Wied.*b. Fœminæ abdomen marginibus fulvis. Bondyllis, *Walk.*B. Thorax vittis fuscis. - - - - fuscus, *Wied.*

J. Pedes fulvi; femora apice nigra; tibie posticæ fuscæ.

copulatus, *Wied.*K. Pedes rufi. - - - - - flavidus, *Macq.*L. Pedes flavi. - - - - - mellinus, *Wied.*

A. Antennarum articulus 3us simplex.

B. Antennarum articulus 3us basi bilobus. nodicornis, *Wied.*2. Alæ cineræ. - - - - - velox, *Wied.*

3. Alæ hyalinæ, apice flavescentes aut rufescentes.

A. Femora nigra. - - - - - stylatus, *Fabr.*B. Femora rufa. - - - - - simplex, *Macq.*

4. Alæ limpidæ, venis subcostalibus apice fusco limbatis.

melanacrus, *Wied.*

5. Alæ hyalinæ aut subhyalinæ.

A. Antennæ nigræ.

- a. Thorax cinerascens, vittis fuscis. - - - senilis, V
- b. Thorax flavidus, vittis fuscis. - - - flavidus, V
- c. Thorax niger. - - - - - hyalipennis, i
- d. Thorax cinereus, nigro vittatus.
 - a. Femora apice tibiæque fulvæ. - - - parvus,
 - b. Tibiæ intus basi fulvæ. - - - pumilus,

B. Antennæ fulvæ, apice nigræ.

- a. Pedes nigri. - - - - - Sicyon,
- a. Pedes ferruginei. - - - - - Stimicon,

Group 1.

Mas. Corpus parvum. Caput subtus dense pilosum. valde convexa. Mystax dense setosus. Proboscis linearitennarum articulus 1us 2o plus duplo longior; 3us longior 1o brevior; arista 3o plus triplo longior. Thorax abodiinidio longior, utrinque et postice setosus. Abdomen subdricum, basi usque ad sexualia subattenuatum, alas subsexualia maxima; forceps brevis, latissimus. Pedes robusti, subtus pubescentes.

Cubital vein forked at a little beyond half its length nearly straight, diverging from each other at their tips; first forming near its base an obtuse angle, which emits no branch and second externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the far from the border. Subanal joining the anal at some distance from the border.

Erax culiciformis, Walk.

Group 2.

Fæm. Corpus parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Proboscis lanceolata. Thoracis latera et scutellum parce setosa. Alas longe superans, triente apicali stylata. Pedes validi, pilosi.

Cubital vein forked at beyond half its length; first slightly undulating, most remote from each other about the part; fore fork forming at its base a slightly obtuse angle, emits a branch; the latter is a little longer than the basal side angle. First, second and third externo-medial veins nearly straight third forming a slightly obtuse angle with the præbrachial,

1 far from the border. Subanal joining the anal near the
ies, *Walk.*

Group 3.

1. Corpus vix mediocre. Caput subtus densissime pilosities convexa. Mystax setis paucis. Proboscis gracilis, Antennarum articulus 1us 2o duplo longior; 3us lanceovix brevior; arista 3o multo longior. Thorax abdominis longior, setis nonnullis lateralibus et posticis. Abdomen atum, alas vix superans, apice compressum et acuminatum, tum. Pedes robusti, spinosi, pubescentes.

ital vein forked at much before half its length; fore fork at its base an almost right angle, the latter emitting a which is nearly twice the length of the basal side of the nd fork slightly curved. First and second externo-medial rly straight; third curved, forming a slightly obtuse angle præbrachial, joining the fourth far from the border; subg the anal at a short distance from the border.

ctus, *Walk.*

Group 4.

us gracile, vix hirtum. Caput subtus dense pilosum. convexa. Mystax setis sat paucis. Proboscis gracilis, Antennarum articulus 1us 2o plus duplo longior; 3us is, 1o vix brevior; arista 3o paullo longior. Thoracis scutellum parce setosa. Abdomen alas vix superans. graciles, parce setosi, vix hirti. *Mas.*—Sexualia medio-*m.*—Abdominis quinties apicalis compressa, non stylata.

tal vein forked at before half its length; forks nearly o each other; fore fork very slightly curved, inclined fors tip, forming at its base an obtuse and rounded angle, its no branch; hind fork nearly straight. First and second edial veins nearly straight; third slightly curved, forming use angle with the præbrachial, joining the fourth far from r. Subanal joining the anal near the border.

phissa, *Walk.*

species appears to be on the limits of the genus *Erax*, and
1 *Eristicus* of Loew.

A. Antennæ nigræ.

- a. Thorax cinerascens, vittis fuscis. - - - senilis, *Wied.*
 b. Thorax flavidus, vittis fuscis. - - - flavidus, *Wied.*
 c. Thorax niger. - - - - - hyalipennis, *Meq.*
 d. Thorax cinereus, nigro vittatus.
 a. Femora apice tibiæque fulva. - - - parvus, *Walk.*
 b. Tibiæ intus basi fulvæ. - - - pumilus, *Walk.*

B. Antennæ fulvæ, apice nigræ.

- a. Pedes nigri. - - - - - Sicyon, *Walk.*
 b. Pedes ferruginei. - - - - - Stimicon, *Walk.*

Group 1.

Mas. Corpus parvum. Caput subtus dense pilosum. Facies valde convexa. Mystax dense setosus. Proboscis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus; 1o brevior; arista 3o plus triplo longior. Thorax abdominis dimidio longior, utrinque et postice setosus. Abdomen subcylindricum, basi usque ad sexualia subattenuatum, alas superans. Sexualia maxima; forceps brevis, latissimus. Pedes robusti, spinosi, subtus pubescentes.

Cubital vein forked at a little beyond half its length; forks nearly straight, diverging from each other at their tips; fore fork forming near its base an obtuse angle, which emits no branch; first and second externo-medial veins nearly straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Erax culiciformis, Walk.

Group 2.

Fem. Corpus parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Proboscis lanceolata. Thoracis latera et scutellum parce setosa. Abdomen alas longe superans, triente apicali stylata. Pedes validi, spinosi, pilosi.

Cubital vein forked at beyond half its length; forks very slightly undulating, most remote from each other about the middle part; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is a little longer than the basal side of the angle. First, second and third externo-medial veins nearly straight; third forming a slightly obtuse angle with the præbrachial, joining

e fourth far from the border. Subanal joining the anal near the border.

Erax Lades, *Walk.*

Group 3.

Fem. Corpus vix mediocre. Caput subtus densissime pilosum. Facies convexa. Mystax setis paucis. Proboscis gracilis, nearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o vix brevior; arista 3o multo longior. Thorax abdominis imidio longior, setis nonnullis lateralibus et posticis. Abdomen blancolatum, alas vix superans, apice compressum et acuminatum, non stylatum. Pedes robusti, spinosi, pubescentes.

Cubital vein forked at much before half its length; fore fork forming at its base an almost right angle, the latter emitting a branch, which is nearly twice the length of the basal side of the angle; hind fork slightly curved. First and second externo-medial veins nearly straight; third curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border; subanal joining the anal at a short distance from the border.

Erax dilectus, *Walk.*

Group 4.

Corpus gracile, vix hirtum. Caput subtus dense pilosum. Facies convexa. Mystax setis sat paucis. Proboscis gracilis, nearis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o vix brevior; arista 3o paullo longior. Thorax tera et scutellum parce setosa. Abdomen alas vix superans. Pedes sat graciles, parce setosi, vix hirti. *Mas.*—Sexualia media. *Fem.*—Abdominis quinties apicalis compressa, non stylata.

Cubital vein forked at before half its length; forks nearly parallel to each other; fore fork very slightly curved, inclined forward at its tip, forming at its base an obtuse and rounded angle, which emits no branch; hind fork nearly straight. First and second externo-medial veins nearly straight; third slightly curved, forming a very obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax Amphissa, *Walk.*

This species appears to be on the limits of the genus *Erax*, and may be an *Eristicus* of Loew.

angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Erax Bardyllis, *Walk.*

In this species, as in some others, the basal side of the angle of the fore fork of the cubital is occasionally double, and the third externo-medial vein is continued across the fourth to the border.

Group 10.

Fam. *Corpus vix hirtum*. Caput subtus densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o brevior; arista 3o fere triplo longior. Thoracis latera et scutellum parce setosa. Abdomen alas superans, triente apicali stylata. Pedes robusti, spinosi, parce hirti.

Cubital vein forked at rather beyond half its length; forks very slightly curved, approaching much nearer each other towards the base than towards the tips; fore fork forming at its base a hardly obtuse angle; the latter emitting a branch which about equals it in length. First and second externo-medial veins almost straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal close to the border.

Erax fuscus, *Wied.*

Group 11.

Corpus sat gracile, parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Proboscis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o brevior; arista 3o triplo longior. Thoracis latera et scutellum parce setosa. *Mas.*—Abdomen alas vix superans. *Sexualia magna*. *Fem.*—Abdomen alas paullo superans, triente apicali stylata.

Cubital vein forked at very much beyond half its length; forks hardly undulating, approaching each other at the base and near the tips; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is not longer than the basal side of the angle. First and second externo-medial veins nearly straight; third hardly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border of the wing. Subanal joining the anal very near the border.

Erax stylatus, *Fabr.*

Group 12.

Mas. Corpus sat dense hirtum. Caput subtus densissime ilosum. Facies valde convexa. Mystax dense setosus. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o revior; arista 3o triplo longior. Thoracis latera et scutellum parce stosa. Abdomen alas superans. Sexualia magna. Pedes robusti, spinosi, breviter hirti.

Cubital vein forked at much beyond half its length; forks very lightly curved, converging towards the base, and more slightly towards the tips; fore fork forming at its base a very slightly obtuse angle, which emits a branch; the latter is longer than the basal side of the angle. First, second and third externo-medial veins hardly curved; third forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax senilis, Wied.

Group 13.

Fæm. Corpus robustum. Caput subtus valde pilosum. Facies convexa. Mystax dense setosus. Proboscis linearis, sat gracilis. Antennarum articulus 3us longiconicus, 1o æqualis, arista brevior. Thorax parce setosus. Abdomen nudum, oblanceolatum, apice compressum, non stylatum, alas vix superans. Pedes validi, spinosi, non hirti.

Cubital vein forked at much before half its length; forks near each other and parallel towards the base, slightly converging and curved forwards at the tips; fore fork forming at its base a right angle, which emits a branch; the latter is much longer than the basal side of the angle. First and second externo-medial veins almost straight; third slightly curved, forming a right angle with the præbrachial, joining the fourth near the border. Subanal joining the anal near the border.

Erax Sicyon, Walk.

28. ERAX FULVITHORAX.

Ater; thorace cervinus, nigro vittatus; abdominis segmenta duo apicalia nivea (mas.) aut incisuris albidis (fæm.); alæ fuscae, paullo dilatatae.

Erax fulvithorax, Macq. Dipt. Exot. i. 2, 113, 13.

Allied to *A. pyrrhognus, Wied.*

Brazil. Guiana.

29. ERAX CULICIFORMIS.

Mas. *Ater; caput et thorax ferrugineo tomentosa; caput subtus albo pilosum; mystax supra niger; subtus testaceus; thorax vittis tribus subconnexis nigris; abdomen fasciis duabus interruptis, una basali altera subapicali, duabusque intermediis interruptis argenteis; pedes subtus albedo subpubescentes; de fusca.*

Male. Deep black. Head and thorax with ferruginous tomentum. Head clothed beneath with white hairs. Mystax with black bristles above and with testaceous bristles below. Disk of the thorax black, with two very slender and indistinct ferruginous stripes. Abdomen with four silvery bands, first and fourth entire, second and third interrupted. Legs partly and thinly clothed beneath with whitish down. Wings brown. Halteres testaceous. Length of the body 6 lines; of the wings 8 lines.

a. Tapayos, Brazil. From Mr. Bates' collection.

30. ERAX LADES.

Asilus Lades, Cat. of Diptera, Pt. 2, 403.

Brazil.

31. ERAX PARPHORUS.

Erax Parphorus, Diptera Saundersiana, Pt. 2, 127.

Colombia.

32. ERAX DILECTUS.

Fœm. *Caput et thorax picea, albedo tomentosa; caput subtus albo pilosum; mystax supra niger, subtus albidus; thorax piceo vittatus; abdomen atrum, fasciis quinque interruptis, 4a minima, 5a latissima; pedes picei, albo pubescenti, spinis nigris; alæ subcinereæ.*

Fem. Head and thorax piceous, with whitish tomentum. Head with white hairs beneath. Mystax with black upper bristles and whitish lower bristles. Thorax with two piceous stripes, which are connected hindward. Abdomen deep black, with five interrupted white bands; first, second, third and fifth bands broad; second and third deeply indented in front; fourth very slender; fifth occupying the whole length of the sixth segment. Legs piceous, with white down; spines black. Wings slightly grayish. Halteres testaceous, with piceous knobs. Length of the body 7 lines; of the wings 10 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

33. ERAX SUBAPPENDICULATUS.

Mas. *Ater; abdominis segmenta quatuor apicalia argentea; tarsi anteriores tibique rufa; alæ subfusæ, paullo dilatatæ, venæ cubitalis furca antica ramulum rejiciens brevissimum.*

ax subappendiculatus, *Macq. Dipt. Exot.* i. 2, 114, 16.
razil.

34. ERAX POTAMON.

ax Potamon, *Diptera Saundersiana*, Pt. 2, 128.
uth America.

35. ERAX COMMILES.

ax commiles, *Diptera Saundersiana*, Pt. 2, 132.
uth America.

36. ERAX AMPHISSA.

ilus Amphisssa, *Cat. of Diptera*, Pt. 2, 406.
razil.

37. ERAX OBSCURUS.

Fœm. *Fuscus; abdominis incisuræ albide; pedes nigri, tibiis obscure testaceis; alæ subfusæ.*

ax obscurus, *Macq.*
rà.

38. ERAX NIGRIMYSTACEUS.

Mas. *Niger; thorax cinereus, vittis nigris; abdominis segmenta tria postica alba; tibie testacæ; alæ paullo dilatatæ, venæ cubitalis furca antica ramulum rejiciens brevissimum.*

ax nigrimystaceus, *Macq. Dipt. Exot. Suppl.* 2, 41, 40.
adeloupe.

39. ERAX FUSCIPENNIS.

Fœm. *Fuscus; mystax niger; thorax fulvidus, vittis nigris; pedes nigri, tibiis testaceis; alæ fusæ; venæ cubitalis furca antica ramulum non rejiciens.*

ix fuscipennis, *Macq. Dipt. Exot. Suppl.* 2, 40, 38.
razil.

40. ERAX SINGULARIS.

Mas. *Ater; abdominis segmenta duo apicalia albida; alæ dilatæ, fuscæ, venis albido limbatis.*

Erax singularis, Macq. Dipt. Exot. i. 2, 111, 8, pl. 9, f. 10.

Brazil.

41. ERAX RUFIPIES.

Fœm. *Gracilis, ater, cinereo pubescens; thorax vittis nigris; pedes rufi, femoribus supra, tibiis posticis intus tarsisque nigris; alæ subfuscæ.*

Erax rufipes, Macq. Dipt. Exot. i. 2, 112, 10.

Brazil.

42. ERAX MYGDON.

Erax Mygdon, Diptera Saundersiana, Pt. 2, 127.

South America.

43. ERAX HETEROPTERUS.

Mas. *Niger; mystax supra niger, subtus flavidus; thorax cinereus, vittis nigris; abdomen incisuris albidis; pedes fulvi; alæ fuscæ, areola cubitali la clausa.*

Erax heteropterus, Macq. Dipt. Exot. Suppl. i. 83, 33, pl. 8, f. 6.

New Grenada. Cold Region.

44. ERAX RUFI THORAX.

Fœm. *Niger; mystax albidus; thorax cinereus, vittis nigris; abdomen incisuris cinereis; pedes fulvi, tarsi nigris; alæ fuscæ.*

Erax rufithorax, Macq. Dipt. Exot. Suppl. 1, 82, 31.

Brazil.

45. ERAX GRISEUS.

Mas. *Ater; abdominis incisuræ cineræ, segmenta duo apicalia albida; alæ subflavescentes, dilatatæ; venæ cubitalis furca antica ramulum non rejiciens.*

Asilus griseus, Guérin, Zool. Voy. Duperrey.

Erax griseus, Macq. Dipt. Exot. i. 2, 115, 78.

Chili.

46. ERAX MACULATUS.

Cinereus; abdominis segmenta 2um et 3um macula laterali, 4um
5umque incisuris, 6um 7umque tota albida; pedes nigri; alæ
flavide.

Var. β. *Femora tibiæque supra testacea.*

Allied to *Erax striola*, Wied.

Erax maculatus, Macq. *Dipt. Exot.* i. 2, 111, 9, pl. 9, f. 6.

Guiana, Columbia, Guadeloupe.

47. ERAX TRISTIS.

Fœm. *Niger*; thoracis vittæ interstitiis schisticoloribus; abdo-
minis incisuræ et maculæ mediæ segmentorum penultimorum
albidæ; alæ flavescens.

Musilus tristis, Wied. *Auss. Zweifl.* i. 470, 69.

Brazil.

48. ERAX NIGRINUS.

Cinereus; antennæ et pedes nigra; thorax nigro vittatus;
abdomen nigrum, incisuris albis; alæ flavescens.

Musilus nigrinus, Wied. *Dipt. Exot.* i. 197, 28; *Auss. Zweifl.* i.
462, 66.

Brazil.

49. ERAX MINOR.

Fœm. *Niger*; mystax subtus albus; thorax lineis albidis; abdo-
men incisuris albis; alæ subflavescens; venæ cubitalis furca
antica ramulum non rejiciens.

Erax minor, Macq. *Dipt. Exot. Suppl.* 2, 41, 39.

Brazil.

50. ERAX STRIOLA.

Cinereus; antennæ nigra; thorax vitta unica fusca antice
divisa; abdomen nigrum, segmento singulo maculis utrinque
basi canis apice flavidis; pedes picei aut nigro-picei; alæ
flavescens.

Dasypogon striola, Fabr. *Syst. Antl.* 172, 38.

Musilus striola, Wied. *Dipt. Exot.* i. 199, 31; *Auss. Zweifl.* i. 464,
58.

Brazil.

51. ERAX FLAVIANALIS.

Mas. *Ater; abdominis incisuræ albæ, segmentum ultimum alius lateribus flavis; femora tibiæque intus testacea; subflavescentes, apice cinereæ, venæ externo-mediæ furcata ramulum rejiciente, venis externo-mediis 3a et 4a junctis.*

Erax flavianalis, Macq. Dipt. Exot. Suppl. 3, 26, 41.

Minas Geraes.

52. ERAX? PYRRHOGONUS.

Niger; thorax vittarum interstitiis corvinis; abdomen maris mentis duobus apicalibus niveis, fœm. incisuris albi femora apice, tarsi basi tibiæque rubida; alæ flavescentes

Asilus pyrrhognus, Wied. Auss. Zweifl. i. 472, 71.

Brazil.

53. ERAX MEDIANUS.

Mas. *Niger; thorax interstitiis vittarum cervino-flavidis; a minis segmenta tria apicalia nivea; femora apice, tarsi tibiæque rubida; alæ flavescentes.*

Asilus medianus, Wied. Auss. Zweifl. i. 473, 73.

Brazil.

54. ERAX VIRILIS.

Fuscus; abdominis incisuræ canescentes; pedes mellei, femora supra tibiis tarsisque posticis fuscis; alæ flavescentes, saturatiores.

Asilus virilis, Wied.

Brazil.

55. ERAX EURYLABIS.

Mas. *Cinereus; antennæ fuscae; thoracis discus fuscus, vitta abdomen maculis maximis trigonis; forceps analis latissimus rubidus; pedes rubidi; alæ flavescentes.*

Asilus eurylabis, Wied. Auss. Zweifl. i. 469, 67.

Brazil.

56. ERAX FLAVO-FASCIATUS.

Fœm. *Thorax cinerascens, nigro vittatus; abdomen nigrum fasciis lateribusque late flavis; pedes nigri; tibiae f. apice nigræ, anticæ intus nigræ*

us flavo-fasciatus, Wied.

zil.

57. ERAX LASCIVUS.

æm. Cinereus; thorax fusco vittatus; abdomen nigrum, albido fasciatum; pedes nigri, tibiis rubidis apice nigris; alæ flavescens.

us lascivus, Wied.

zil.

. Asilus Amarynceus, Cat. of Diptera, Pt 2, 400.

58. ERAX LABIDOPHORUS.

Viger; thorax vittis cervino separatis; tibiæ ferruginæ; abdomen maris basi utrinque flavido hirtum segmentis duobus apicalibus subargenteis, fœm. incisuris anguste marginibus lateralibus late subargenteis flavido hirtis; alæ saturate flavida.

us labidophorus, Wied.

zil.

59. ERAX BARDYLLIS.

lus Bardyllis, Cat. of Diptera, Pt. 2, 401.

zil.

60. ERAX FUSCUS.

Fuscus; thoracis vittarum interstitiæ cineræ; abdominis incisuræ albicantes, segmento ante forcipem albo; tibiæ rubidæ; alæ flavescens.

lus fuscus, Wied.

zil.

61. ERAX COPULATUS.

Cinereus; mystax niger; antennæ nigra; thorax fusco vittatus; pedes rubidi, femoribus apice nigris; alæ subflavescens.

ilus copulatus, Wied. Zool. Mag. iii. 48, 10; Dipt. Exot. i. 192, 18; Auss. Zweifl. i. 457, 50.

62. ERAX FLAVIDUS.

Flavidus; antennæ pedesque rufa; alæ flavescens, venæ cubitalis furca antica ramulum rejiciens brevissimum.

Erax flavidus, Macq. *Dipt. Exot.* i. 2, 114, 15.

Brazil.

63. *ERAX MELLINUS*.

Cervinus; antennæ, abdomen et pedes mellea; thorax fusco vittatus; alæ subflavescentes.

Asilus mellinus, Wied. *Auss. Zweifl.* i. 465, 60.

Monte Video.

64. *ERAX? NODICORNIS*.

Mas. *Cinereus*; antennæ nigro-fuscae, articulo 3o melleo bi-
bilobo; thorax vittis fusciscentibus; abdomen fusciscentem
pedes flavescentes; alæ subflavescentes.

Asilus nodicornis, Wied. *Auss. Zweifl.* i. 469, 66.

Brazil.

65. *ERAX VELOX*.

Mas. *Niger*; thorax cervinus, vittis nigris; abdominis segmentum
2um utrinque albidum, 6um et 7um nivea; alæ cinereæ.

Asilus velox, Wied. *Auss. Zweifl.* i. 468, 64.

Pernambuco.

66. *ERAX STYLATUS*.

Fœm. *Cinascens*; thorax nigro vittatus; abdomen segmentis
singulis macula maxima nigra; tibiæ rufæ; alæ limpide,
apice flavescentes.

Asilus stylatus, Fabr.

Brazil.

67. *ERAX SIMPLEX*.

Fœm. *Ater*, cinereo pubescens; mystax albidus; thorax limbo
nigris; abdominis incisuræ cinereæ; pedes fulvi, tarsi
nigris; alæ subhyalinæ, venæ cubitalis furca antica ramulorum
nullum rejiciens.

Erax simplex, Macq. *Dipt. Exot. Suppl.* 3, 27, 43, pl. 2, f. 14.

Rio Negro.

68. *ERAX MELANACRUS*.

Fœm. *Flavidus*; mystax albus; antennæ nigre; thorax nigro
vittatus; abdomen fuscum, albido fasciatum; pedes fusi,
femoribus apice nigris; alæ limpidissimæ, venis subcostalibus
apice fusco limbatis.

nelanacrus, Wied. *Auss. Zweifl.* i. 472, 72.

69. ERAX SENILIS.

rascens; *thorax vittis fuscis*; *abdomen nigricans, incisuris lateribusque late albis*; *pedes nigri*; *alæ limpide*. Mas.—*Abdomen apice argenteum*.

senilis, Wied.

Video.

70. ERAX FLAVIDUS.

1. *Pallide flavidus*; *antennæ nigrae*; *thorax fusco vittatus*; *abdomen utrinque albidum*; *pedes fusci, tibiis flavescentibus apice fuscis*; *alæ limpide, vix flavescentes*.

flavidus, Wied. *Auss. Zweifl.* i. 473, 74.

71. ERAX HYALIPENNIS.

1. *Ater*; *abdominis segmenta duo apicalia argentea*; *alæ hyalinæ, venæ cubitalis furca antica ramulum non rejiciens*.

hyalipennis, Macq. *Dipt. Exot.* i. 2, 114, 17.

72. ERAX PARVUS.

1. *Obscure cinereus, mystace antennisque nigris*; *thorax vittis duabus dorsalibus maculisque lateralibus nigris*; *abdomen nigrum, segmentis cano late fasciatis, triente apicali stylata*; *pedes nigri, femoribus apice tibiisque fulvis*; *alæ hyalinæ, vix subcinereæ*; *halteres testacei*.

Dark cinereous. Head and pectus hoary. Head clothed beneath with white hairs. Face very convex. Mystax not thick, black bristles, and towards the mouth with whitish bristles. First joint of the antennæ long, conical, a little shorter than the second; arista nearly thrice the length of the third joint. Thorax black with a few bristles on each side. Thorax with six black dorsal stripes and with six lateral black spots. Abdomen with a broad hoary band on the hind border of each segment; hind part stylate. Legs black, stout, spinose, slightly hairy; tips of the femora tawny. Length of the body 6 lines; of wings 8 lines.

Paratopos, Brazil. From Mr. Bates' collection.

73. ERAX PUMILUS.

Cinereus; caput albo pilorum; mystax albidus, setis paucis supra nigris; thorax nigro trivittatus; abdomen supra nigrum, maculis lateralibus trigonis canis; tibiæ intus basi fulvæ; alæ subhyalinae.

Cinereous. Head white and clothed with white hairs behind and beneath. Mystax with many whitish bristles, above which are a few black bristles. Thorax with three blackish stripes, the lateral pair interrupted. Abdomen black above; hind borders of the segments with triangular white spots on each side. Tibiæ tawny towards the base on the inner side. Wings nearly limpid. *Male*.—Abdomen almost twice the length of the thorax; two subapical segments silvery white. Sexualia of moderate size. *Fem*.—Stylate part of the abdomen shining. Length of the body 6 lines; of the wings 10 lines.

a, b. Vera Cruz. From M. Sallé's collection.

74. ERAX SICYON.

Asilus Sicyon, Cat. of *Diptera*, Pt. 2, 399.

Brazil.

75. ERAX STIMICON.

Erax Stimicon, *Diptera Saundersiana*, Pt. 2, 129.

Colombia.

Africa.

- | | | | | | | |
|--------------------------|---|---|---|---|---|-------------------|
| A. Abdomen vittatum. | - | - | - | - | - | algirus, Linn. |
| B. Abdomen non vittatum. | - | - | - | - | - | femorialis, Wied. |

76. ERAX? ALGIRUS.

Rubidus; antennæ fulvæ; mystax albus; thorax vittis saturatioribus; abdomen fuscum, vittis tribus obsoletis nigris; pedes badii, pilis setisque albis; alæ limpidæ.

Asilus algirus, Linn. Syst. Nat. 2, 1006, 2. Fabr. Ent. Syst. ii. 376, 3; Syst. Antl. 153, 3. Wied. Dipt. Exot. i. 196, 2; Auss. Zweifl. i. 461, 55.

Algeria.

77. ERAX? FEMORALIS.

Cinereus; antennæ et pedes rufescentes; thorax vitta et utrinque puncto fuscis; femora nigro vittata; alæ limpida, venæ cubitalis furca postica et vena externo-media la conjunctis.

silus femoralis, *Wied. Auss. Zweifl.* i. 466, 61.

gypt.

Asia.

. Abdomen nigrum.

A. Abdomen maculatum. - - - Sinensis, *Macq.*

B. Abdomen non maculatum.

A. Pedes toti nigri. - - - integer, *Macq.*

B. Femora et tibiæ subtus rufa. - - - *Curiatius, Walk.*

. Abdomen rufum. - - - rufiventris, *Macq.*

Group 1.

Mas. Corpus parce pilosum. Caput subtus dense pilosum. acies valde convexa. Mystax sat dense setosus. Proboscis subnearis. Thoracis latera et scutellum parce setosa. Abdomen angustius, thorace multo angustius et plus duplo longius. exualia magna. Pedes robusti, setosi, parce hirti.

Radial as usual. Cubital vein forked at half its length; fore wing hardly curved, forming an obtuse and rounded angle at its base; hind fork very slightly undulating. First and second externo-medial veins nearly straight; third slightly curved, forming a slightly oblique angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax Curiatius, Walk.

78. ERAX SINENSIS.

Fœm. Ater; thorax cinereus, nigro vittatus; abdominis segmenta 2um 3um 6umque albido maculata; alæ fuscanae.

Erax Sinensis, Macq. Dipt. Exot. i. 2, 108, 2.

China.

79. ERAX INTEGER.

Fœm. Niger; mystax albidus; thorax cinereo tomentosus, vittis nigris; alæ subhyalina, venæ cubitalis furca antica ramulum non rejiciens.

Erax integer, *Macq. Dipt. Exot. Suppl.* 1, 81, 30.
Manilla.

80. *ERAX CURIATIUS*.

Asilus Curiatius, *Cat. of Diptera*, Pt. 2, 432.
Nepaul.

81. *ERAX RUFIVENTRIS*.

*Fœm. Ater; abdomen rufum, ano nigro; tibiæ anteriores
externe testaceæ; alæ fusæ.*

Erax rufiventris, *Macq. Dipt. Exot.* i. 2, 108, 1.
Bengal.

Australia.

A. *Alæ nigrae, fuscae aut subfuscae.*

A. *Pedes ferrugineo-rubidi.*

a. *Abdomen nigrum.*

a. *Thorax fuliginosus.* - - - Belzebul, *Wied.*

b. *Thorax cinereus nigro trivittatus.* - annulipes, *Macq.*

b. *Abdomen flavidum.* - - - Hercules, *Wied.*

B. *Femora nigra.*

a. *Thorax rufo-cinereus.* - - - Salomon, *Macq.*

b. *Thorax auratus.* - - - fuscipennis, *Macq.*

B. *Alæ subflavescentes.* - - - varimystaceus, *Macq.*

82. *ERAX BELZEBUL*.

*Thorax fuliginosus; abdomen nigrum; pedes ferruginosi-rubidi;
alæ fuscae, antice dilatatae.*

Asilus Belzebul, *Wied. Auss. Zweifl.* i. 425, 1.

Erax Belzebul, *Macq. Dipt. Exot.* i. 2, 109, 3.

Asilus plicatus? *Wied.*

New Holland.

83. *ERAX ANNULIPES*.

*Fœm. Cinereus; mystax albo flavescens, setis nonnullis nigris;
barba alba; arista apice subincrassata; thorax vittis tribus
nigris, intermedia divisa; abdomen nigrum, segmentorum
marginibus posticis cinereis; pedes fulvi, femoribus postero-
ribus apice tarsisque nigris; alæ subfuscescentes, venis fuscis
marginatis.*

ax annulipes, *Macq. Dipt. Exot. Suppl.* 1, 83, 32, pl. 8, f. 8.
New Holland.

84. *ERAX HERCULES*.

Mas. Niger; thorax cinereus, vittis nigricantibus; abdomen flavidum; pedes ferruginosi, femoribus tibiisque apice nigris; alæ flavescentes, plaga fuscana.

salus Hercules, *Wied. Auss. Zweifl.* i. 425, 2.

Erax Hercules, *Macq. Dipt. Exot. Suppl.* 1, 82, 425, 2.

Sydney Island, &c.

85. *ERAX SALOMON*.

Mas. Ater; thorax rufo-cinereus, nigro vittatus; abdominis latera albida, segmentis tribus apicalibus argenteis; pedes rufi, femoribus tarsisque posticis nigris; alæ subfuscae, dilatatae.

Erax Salomon, *Macq. Dipt. Exot.* i. 2, 110, 5; *Suppl.* 1, 82.

Port Praslin, Solomon Isles.

86. *ERAX FUSCIPENNIS*.

Mas. Ater; thorax aureus, nigro vittatus; tibiæ testaceæ; alæ fuscanae.

Erax fuscipennis, *Macq. Dipt. Exot.* i. 2, 109, 4.

New Holland.

87. *ERAX VARIMYSTACEUS*.

Fœm. Mystax setis nigris albisque; thorax cinereus, vittis nigris; abdomen nigrum lateribus incisuris cinereis; tibiæ testaceæ; alæ subflavescentes, venæ cubitalis furca antica ramulum non rejiciens.

Erax varimystaceus, *Macq. Dipt. Exot. Suppl.* 2, 40, 37.

New Holland.

Country unknown.

1. *Alæ fuscae.*

A. *Tibiæ rufæ.*

A. *Thorax cinereus, vittis nigris.* - *inappendiculatus*, *Macq.*

B. *Thorax ferrugineus aut piceus.*

a. *Furca cubitalis antica ramulum rejiciens.* *Malis, Walk.*

- b. Furca cubitalis antica ramulo nullo.* - robustus, *Walt.*
B. Tibiæ nigræ. - - - - - Marcinus, *Walt.*
B. Alæ fulvæ aut flavescentes.
A. Pedes nigri. - - - - - nervosus, *Macq.*
B. Femora nigra. - - - - - asper, *Walt.*
C. Femora rufa, nigro vittata.
A. Alæ subfulvæ, apice cineræ. - - - Leon, *Walt.*
B. Alæ fulvæ. - - - - - concolor, *Walt.*
D. Tibiæ luteæ, apice nigræ. - - - nitidus, *Wied.*

Group 1.

Fæm. Corpus gracile, parum hirtum. Caput subtus dense pilosum. Facies convexa. Mystax raro setosus. Proboscis linearis. Antennarum articulus 1us 2o triplo longior; 3us sublinearis, 1o æqualis; arista 3o paullo longior. Thoracis latera et scutellum setis paucis. Abdomen alas non superans, apice compressum, acuminatum. Pedes sat graciles, fere nudi, parce spinosi.

Radial vein very slightly curved, joining the subcostal near the tip of the latter. Cubital forked at about half of its length; fore fork forming at its base a nearly right angle, which emits a branch much shorter than its basal side; hind fork and the first and second externo-medial veins almost straight. Third externo-medial curved, forming a slightly obtuse angle with the præbrachial, which is slightly curved, joining the fourth far from the border. Subanal joining the anal rather near the border.

This group is almost as nearly allied to *Asilus* as to the type of *Erax*.

Erax Malis.

Group 2.

Mas. Corpus breve, crassum, hirtum, sat magnum. Facies valde convexa. Mystax densissime setosus, usque ad antennis ascendens. Proboscis valida, lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o brevior; arista 3o plus duplo longior. Thorax cristatus. Abdomen thorace multo longius, alas non superans. Sexualia maxima. Pedes crassi, hirti, spinosi, breviusculi.

Wings slightly dilated in front at two-thirds of the length. Cubital vein forked at very much beyond half its length; forks diverging, then converging, and again diverging at the tips. First and second externo-medial veins nearly straight; third hardly

ed, forming an almost right angle with the præbrachial, joining fourth far from the border. Subanal joining the anal rather the border.

robustus, *Walk.*

Group 3.

Caput subtus densissime pilosum. Facies valde convexa. Maxilla densissime setosus. Proboscis linearis. Thorax parce hirsutioribus scutelloque subsetosis. Pedes validi, parce spinosi; tibiae subtus dense et breviter spinosa.

Radial vein almost straight, joining the subcostal very far from tip of the latter. Cubital vein forked at beyond half its length; very slightly curved, slightly converging towards each end; fork joining the subcostal close to the tip of the latter, forming at base a slightly obtuse angle, which emits a branch; the latter nearly twice the length of the basal side of the angle. First and second externo-medial veins nearly straight; third slightly curved, joining an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

♂ *Marcinus, Walk.*

Group 4.

Mas. Corpus magnum, hirtum. Caput subtus densissimum. Facies convexa. Mystax densissime setosus, fere ad anas ascendens. Proboscis lanceolata. Abdomen sublineare, alas superans. Sexualia magna, lamellis duabus cochleariformibus; pedes maximus. Pedes robusti, hirti, spinosi.

Male. Radial vein as usual. Cubital vein forked at very far beyond half its length; forks undulating, nearer each other than the middle than towards each end; fore fork not angular nor emitting a branch. First externo-medial vein much curved at its base; second straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal close to the border.

♂ *Leon, Walk.*

88. ERAX INAPPENDICULATUS.

♂. Ater; thorax cinereus, nigro vittatus; abdominis latera albida; segmenta duo apicalia alba; tibiae rufae, apice nigrae; alae fuscae, subdilatatae, venae cubitalis furca antica ramulum non rejiciens.

♂ inappendiculatus, *Macq. Dipt. Exot. i. 2, 119, 29.*

89. ERAX MALIS.

Asilus Malis, *Cat. of Diptera*, Pt. 2, 432.

90. ERAX ROBUSTUS.

Mas. *Niger*; *mystax supra niger, subtus testaceus*; *thorax piceo tomentosus, vittis ferrugineus*; *tibiæ luteæ, apice nigre; alæ fuscescentes.*

Male. Black, clothed with black hairs. *Mystax* with black upper bristles, and with testaceous lower bristles. *Thorax* with piceous tomentum and with indistinct ferruginous stripes. *Tibiæ* luteous, clothed with testaceous hairs; tips black. *Wings* brownish. *Halteres* tawny. Length of the body 9 lines; of the wings 18 lines.

a. ——— ?

91. ERAX MARCINUS.

Asilus Marcinus, *Cat. of Diptera*, Pt. 2, 404.

92. ERAX NERVOSUS.

Mas. *Ater*; *abdominis segmenta duo apicalia albida; alæ subflavescentes, dilatatæ, inappendiculatæ, venis rufo-fusco marginatæ.*

Erax nervosus, *Macq. Dipt. Exot. i.* 2, 118, 28.

93. ERAX ASPER.

Erax asper, *Diptera Saundersiana*, Pt. 2, 130.

94. ERAX LEON.

Asilus Leon, *Cat. of Diptera*, Pt. 2, 402.

95. ERAX CONCOLOR.

Erax concolor, *Diptera Saundersiana*, Pt. 2, 130.

96. ERAX? NITIDUS.

Fœm. *Cinereus*; *antennæ et pedes nigra*; *thorax nigro vittatus; abdomen nigrum, albido fasciatum*; *tibiæ luteæ, apice nigre; alæ flavescentes.*

Asilus nitidus, *Wied. Auss. Zweifl. i.* 466, 62.

Genus 5. APOCLEA.

Corpus non depressum nec ciliatum. Facies plana. *Maris* sexualia parva. *Fœm.* terebra corona spinosa armata. Alarum venæ cubitalis furca antica ramulum rejiciens; furca postica et 1a externo-media 1a conjunctæ.

oclea, *Macq. Dipt. Exot.* i. 2, 119. *Loew, Linn. Ent.* iii. 395, 403.

1. APOCLEA PALLIDA.

Fœm. Pallide-cinerea; thorax vittatus; tibiæ tarsique rufa; alæ hyalinæ.

oclea pallida, *Macq. Dipt. Exot.* i. 2, 119, 9, pl. 10, f. 1.

gypt.

2. APOCLEA FUSCANA.

Mas. Fuscana; abdominis incisuræ flavidæ; pedes antici fulvi, femoribus extus nigricantibus, tarsis fuscis; alæ flavidæ.

oclea fuscana, *Macq. Dipt. Exot.* i. 2, 120, 2.

gypt.

Genus 6. PROCTACANTHUS.

Corpus non depressum nec ciliatum. Facies vix prominens. *Maris* sexualia parva. *Fœm.* terebra longa, corona spinosa sæpissime armata. Alarum venæ cubitalis furca antica ramulum non rejiciens.

roctacanthus, *Macq. Dipt. Exot.* i. 2, 120. *Loew, Linn. Ent.* iii. 395, 403.

silus, p., *Fabr.; Wied.*

North America.

.. Pedes badii aut castanei.

A. Alæ sat longæ.

A. Abdomen cinerascens. - - - longus, *Wied.*

B. Abdomen testaceum, flavo hirtum. - *Milbertii, Macq.*

C. Abdomen rubido-fuscum. - - - heros, *Wied.*

D. Abdomen nigrum, incisuris albidis. - *nigriventris, Macq.*

B. Alæ breves. - - - brevipennis, *Wied.*

. Pedes testacei, femoribus subtus nigris. *Philadelphicus, Macq.*

Group 1.

Fæm. Corpus maximum, parce hirtum. Caput subtus densissime pilosum. Facies parum convexa. Mystax dense setosus. Proboscis crassa, lanceolata. Antennarum articulus 1us 2o longior; 3us longiconicus, compressus, 1o multo brevior; arista 3o plus duplo longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum pilosum, apicem versus cylindricum, thorace triplo longius. Pedes validi, spinosi, hirti.

Cubital vein forked at half its length; fore fork forming a nearly right angle at its base; hind fork slightly curved. First externo-medial slightly curved near its base; second straight; third much curved, joining an obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Proctacanthus heros, Wied.

Group 2.

Fæm. Corpus sat gracile. Caput subtus pilosum. Facies apud epistoma subconvexa. Mystax setis plurimis. Proboscis valida, lanceolata. Antennarum articulus 3us longiconicus, 1o non longior; arista 3o multo longior. Thoracis latera parce setosa. Abdomen oblanceolatum, fere nudum, alas longe superans, thorace triplo longius. Pedes validi, breviter spinosi, non pilosi.

Wings rather short. Cubital vein forked at beyond half its length; fore fork forming an obtuse angle at its base, nearly straight from thence to its tips; hind fork slightly curved, approaching the fore fork at each end. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal on the border.

Proctacanthus brevipennis, Wied.

1. PROCTACANTHUS LONGUS.

Fuscanus; abdomen cinerascens; pedes subbadii; ala flava.

Asilus longus, Wied. *Dipt. Exot.* i. 183, 1; *Auss. Zweifl.* i. 426, 3. *Proctacanthus longus*, Macq. *Dipt. Exot.* i. 2, 123, 6.

Georgina. Brazil.

2. PROCTACANTHUS MILBERTII.

lucidus; thorax nigro trivittatus; abdominis segmenta limbo postico fuscato; pedes castanei; alæ fusco-flavæ.

Proctacanthus Milbertii, Macq. Dipt. Exot. i. 2, 124, 8.
 th America.

3. PROCTACANTHUS HEROS.

las. Rubido-fuscus; mystax flavescens; antennæ ferrugineæ, articulo 3o nigro-fusco; thorax quadrivittatus; abdomen fulvo hirtum, basi utrinque nigro hirtum; pedes ferruginosi; alæ flavescentes.

us heros, Wied.

itucky.

4. PROCTACANTHUS NIGRIVENTRIS.

las. Rubidus; thorax nigro vittatus; abdomen nigrum incisuris albidis; pedes castanei; alæ subfuscæ.

ctacanthus nigriventris, Macq. Dipt. Exot. i. 2, 124, 9.
 ladelfia and Carolina.

5. PROCTACANTHUS BREVIPENNIS.

las. et Fœm. Cinereus, certo situ rubens; antennæ nigrae; mystax albidus, setis nonnullis nigris; thorax vitta media latissima nigra; pedes subbadii, femoribus antice nigris; alæ subflavescentes, breves.

us brevipennis, Wied. Auss. Zweifl. i. 431, 10.

itucky.

6. PROCTACANTHUS PHILADELPHICUS.

nigra; thorax fuscus vittatus; abdominis segmenta ultima cinerea; pedes testacei, femoribus subtus nigris; alæ fuscæ.

ctacanthus Philadelphicus, Macq. Dipt. Exot. i. 2, 123, 7.
 ladelfia.

West Indies.

7. PROCTACANTHUS RUFIVENTRIS.

Castaneus; thorax nigro trivittatus; abdomen rubidum, basim nigrum; pedes testacei, tarsi postici nigris; alæ fusco-flavæ.

Proctacanthus rufiventris, Macq. Dipt. Exot. i. 2, 123, 5, pl. 10, f. 2.

St. Domingo. Honduras.

South America.

A. Thorax niger.

A. Abdomen nigrum apicē album. - - - barbatulus, *Fab.*

B. Abdomen fulvum. - - - Antidomus, *Walk.*

B. Thorax cinereus.

A. Abdomen rufum. - - - Coprates, *Walk.*

B. Abdomen cinereum.

A. Antennæ testaceæ. - - - rubricornis, *Macq.*

B. Antennæ nigræ. - - - mystaceus, *Macq.*

C. Thorax cinereus, vittis ferruginosis. - - - macrotelus, *Walk.*D. Thorax canus. - - - vetustus, *Walk.*

E. Thorax pallidus, vittis nigris.

A. Abdomen plus minusve nigrum.

a. Alæ fuscæ. - - - aurolineatus, *Macq.*

b. Alæ flavæ. - - - flavipennis, *Macq.*

B. Abdomen totum pallidum.

a. Abdomen fulvum. Alæ subfulvæ. - Daraps, *Walk.*

b. Abdomen fuscum. Alæ fuscæ. - Hagno, *Walk.*

F. Thorax ferrugineus, vittis tribus pallidioribus. basifascia, *Walk.*

Group 1.

Mas. Corpus magnum, dense pubescens. Caput subtile dissimile pilosum. Facies parum convexa. Mystax parce setosus, antennis attingens. Proboscis crassa. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o æqualis; arista 1o fere duplo longior. Thoracis latera parce setosa. Scutellum et abdomen basi dense pilosa. Abdomen alas vix superans. Sexualia magna. Pedes validi, setosi, dense pubescentes.

Radial vein as usual. Cubital forked at half its length; forks very slightly curved, nearly parallel to each other, near together for one-fourth of the length from the base, more remote from thence to the tips; first externo-medial vein curved near the base; second

ight; third curved, forming a slightly obtuse angle with the brachial, joining the fourth rather far from the border. Subanal joining the anal rather far from the border.

ctacanthus Antidomus, Walk.

Group 2.

Mas. Corpus magnum, parum pubescens. Caput subtus dense pilosum. Facies parum convexa. Mystax densissime pilosus et pilosus, antennis attingens. Proboscis crassa, lanceolata, arcuata. Thoracis latera et scutellum raro setosa. Abdomen oblanceolatum, alas non superans. Sexualia parva. Pedes robusti, pilosi, pubescentes.

Radial vein as usual. Cubital vein forked at beyond half its length; fore fork nearly straight, curved at its base; hind fork curved, approaching the fore fork towards each end. First and second externo-medial veins straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

ctacanthus rufiventris, Macq.; P. Coprates, Walk.

Group 3.

Fæm. Corpus magnum, gracile, tomentosum. Caput subtus dense pilosum. Facies plana. Mystax vix dense setosus. Proboscis crassa, lanceolata, recta. Antennarum articulus primus 20 longior; secundus longiconicus compressus, 10 multo brevior; arista articulo primo duplo longior. Thorax setis nonnullis lateralibus et posticis. Abdomen oblanceolatum, thorace plus duplo longius, alas longe superans, basim versus pilosum; dimidium fere apicale cylindricum, densius pilosius. Pedes sat graciles, parce spinosi, vix hirti.

Cubital vein forked at a little before half its length; fore fork nearly straight; hind fork curved. First externo-medial vein slightly curved near its base; second straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

ctacanthus macrotelus, Walk.; P. basifascia, Walk.

Group 4.

Fæm. Corpus magnum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime hirtus. Proboscis valida, arcuata. Thorax tomentosus, parce hirtus, setis paucis lateralibus et posticis. Pectus et abdomen basi pilosa. Abdomen oblanceolatum.

tum, thorace multo longius, alas non superans. Pedes robusti, spinosi.

Cubital vein forked at rather before half its length; fore almost straight; hind fork curved; first externo-medial slightly curved at its base; second straight; third curved, forming a slight obtuse angle with the præbrachial, joining the fourth far from border. Subanal joining the anal near the border.

Proctacanthus vetustus, Walk.

Group 5.

Characters like those of *Proctacanthus heros*.

Proctacanthus Daraps, Walk.; *P. Hagno*, Walk.

8. PROCTACANTHUS BARBATUS.

Niger; *mystax flavido albus*, *supra niger*; *barba alba*; *thorax rubro vittatus*; *abdomen apice album*; *pedes castaneo* f. *tibiis posticis albidis*; *alæ flavescences*.

Asilus barbatus, *Fabr. Ent. Syst.* iv. 379, 12; *Syst. Anil.* 154
Wied. *Dipt. Exot.* i. 187, 9; *Auss. Zweifl.* i. 439, 22.

Proctacanthus barbatus, *Macq. Dipt. Exot.* i. 2, 122, 4.

Brazil. Guiana. Cayenne.

9. PROCTACANTHUS ANTIDOMUS.

Asilus Antidomus, *Cat. of Diptera*, Pt. 2, 408.

Brazil.

10. PROCTACANTHUS COPRATES.

Asilus Coprates, *Cat. of Diptera*, Pt. 2, 409.

Brazil.

11. PROCTACANTHUS RUBRICORNIS.

Cinereus; *antennæ testaceæ*; *pedes subbadii*; *alæ flavo-fuscæ*.

Proctacanthus rubricornis, *Macq. Dipt. Exot.* i. 2, 122, 3.

Brazil.

12. PROCTACANTHUS MYSTACEUS.

Fœm. Cinereus; *mystax albidus*; *antennæ pedesque nigri*; *thorax vittis fuscis*; *abdomen apice nigrum*; *tibiæ testaceæ*; *alæ rufescente cinereæ*.

Proctacanthus mystaceus, *Macq. Dipt. Exot. Suppl.* 1, 86, 11, p. f. 10.

New Grenada.

13. PROCTACANTHUS MACROTELUS.

œm. *Cinereus; caput albidum, subtus albo pilosum; thorax vittis duabus dorsalibus interlineatis maculisque sex laterali-
bus obliquis ferruginosis; abdominis dimidium fere apicale
rufum nitidum; pedes rufi, femoribus posticis nigris; alæ
subhyalinæ.*

lus macrotelus, *Walk.*

rite.

14. PROCTACANTHUS VETUSTUS.

œm. *Canus; caput subtus, pectus et abdomen basi densissime
albo pilosa; antennæ, abdomen et pedes nigra; abdominis
segmenta 4um, 5um et 6um apexque subtus rufa; alæ limpidæ.*

lus vetustus, *Walk.*

rite.

15. PROCTACANTHUS AUROLINEATUS.

las. *Niger; thorax flavus, vittis nigris; alæ fuscæ.*

ctacanthus aurolineatus, *Macq. Dipt. Exot. Suppl. 1, 86, 12,
pl. 8, f. 9.*

π Grenada.

16. PROCTACANTHUS FLAVIPENNIS.

las. *Testaceus; mystax flavidus; thorax vittis nigris; abdomen
basi nigricans; pedes testacei; alæ flavæ.*

ctacanthus flavipennis, *Macq. Dipt. Exot. Suppl. 1, 85, 10.*

ombia.

17. PROCTACANTHUS DARAPS.

lus Daraps, *Cat. of Diptera, Pt. 2, 416.*

zil.

18. PROCTACANTHUS HAGNO.

lus Hagno, *Cat. of Diptera, Pt. 2, 417.*

zil.

19. PROCTACANTHUS BASIFASCIA.

Mas. et fœm. *Ferrugineus*; *caput testaceum, mystace barbaque concoloribus*; *antennæ piceæ*; *thorax vittis tribus pallidis*; *abdomen cervinum, basi nigro fasciatum, apice rufo badium*; *pedes rufo badii*; *alæ subcinereæ, fusco subnebulosæ*. Fœm.—*Abdominis latera nigro vittata.*

Ferruginous. Head testaceous. Mystax and beard whitish testaceous, the former ascending to the antennæ. Antennæ piceous. Thorax with three slender dull testaceous stripes. Abdomen fawn-colour, with testaceous hairs towards the base, which has a blackish band; tip dark red. Legs dark red, with black spines and claws. Fœm.—Abdomen with a blackish stripe along each side. Length of the body 7—10 lines; of the wings 14—16 lines.

a, b. Santarem, Brazil. From Mr. Bates' collection.

Arabia.

20. PROCTACANTHUS NIVEUS.

Albo pubescens; *alæ albæ.*

Proctacanthus niveus, Macq. *Dipt. Exot.* i. 2, 121, 1.

Arabia.

Australia.

A. Abdomen cyaneo-nigrum. Durvillei, Macq.

B. Abdomen cinereum, apicem versus nigrum, subtus fulvum.
posticus, Walk.

Group 1.

Fœm. Corpus parvum. Caput subtus pilosum. Mystax ad dense pilosus. Proboscis robusta, sublinearis. Antennarum articulus 1 us 2o longior; 3us lanceolatus, 1o multo longior; arista crassa, brevissima.

P. Posticus, Walk.

21. PROCTACANTHUS DURVILLEI.

Fœm. *Ater*; *thorax flavido pubescens, nigro trivittatus*; *abdomen cyaneo-nigrum*; *tibiæ testaceæ.*

Proctacanthus Durvillei, Macq. *Dipt. Exot.* i. 2, 121, 2.

New Holland.

22. PROCTACANTHUS POSTICUS.

cem. Cinereus; caput subtus albidum alboque pilosum; mystax pallide testaceus; antennæ nigrae; thorax nigro obsolete trivittatus; abdomen segmentis 5o et 6o supra nigris subtus fulvis, apice rufo; pedes fulvi, nigro vittati; alæ cinereo marginatae.

Fem. Cinereous. Head whitish and clothed with white hairs eath. Mystax pale testaceous. Antennæ black. Thorax with indistinct parallel blackish stripes. Pectus with a testaceous pe on each side. Abdomen oblanceolate, more than twice the 9th of the thorax, extending very much beyond the wings, reddish beneath and at the tip; fifth and sixth segments black above, grey beneath. Legs tawny, with whitish down and spines; femora tibiae with black stripes on the outer side; tarsi piceous. Wings hyaline; disks nearly limpid. Halteres testaceous. Length of the body 5½ lines; of the wings 6 lines.

Melbourne, Australia. From Mr. Baly's collection.

Country unknown.

Femora supra nigra.	-	-	-	-	-	Icadius, Walk.
Femora postica nigra.	-	-	-	-	-	Ogulinus, Walk.

Group 1.

Antennarum arista articulo 3o non longior.

Characters like those of *Proctacanthus heros*, but with the arista longer than the third joint of the antennæ.

23. PROCTACANTHUS ICADIUS.

Icadius, *Cat. of Diptera*, Pt. 2, 421.

24. PROCTACANTHUS OGULINUS.

Icadius, *Cat. of Diptera*, Pt. 2, 421.

Proctacanthus Icadius. Var. ?

Genus 7. ASILUS.

Corpus maximum, magnum, aut mediocre, elongatum, hirsutum, non dilatatum, nec ciliatum, color sæpissime niger, hirsutia cinerea, nonnunquam luteum, aut metallicum. Proboscis longa, lanceolata. Antennæ arista elongata. Tibiæ spinosæ;

tarsi non incrassati; onychia conspicua. Alarum vena radialis subcostali ad apicem convexa; venæ cubitalis furca antica simplex. *Mas.*—Sexualia mediocria aut parva, cauda forficata cornea. *Fam.*—Abdomen stylis duabus apicalibus corneis acuminatis.

Asilus p., *Linn.*; *Deg.*, *Fabr.*; *Gmel.*; *Schr.*; *Latr.*; *Meig.*; *Fall.*; *Wied.*; *Zett.*

Asilus et *Lophonotus*, *Macq.*

Asilus, *Loew*; *Zell.*

Europe and Asia Minor.

SYNOPSIS OF THE EUROPEAN GROUPS.

A. *Fam.* Oviductus compressus.

A. Thorax usque ad marginem anticum setosus. 1. *Lophonotus*.

B. Thorax usque ad medium setosus.

a. Lamellæ anales ovatæ, contractæ. - - 2. *Eutolmus*.

b. Lamellæ anales fere stylatæ, non contractæ.

a. *Mas.* Abdominis segmentum 8um margine postico dilatato.

3. *Machimus*.

b. *Mas.* Abdominis segmentum 8um margine postico non dilatato.

i. Pedes flavescens, nitidi. - - 4. *Mochtherus*.

ii. Pedes nigri aut pallidi, obscuri.

* Abdominis latera nigra, nitidissima.

5. *Stilpnogaster*.

** Abdominis latera non nigro nitida.

† Corpus flavido-cinereum, aut cano-cinereum.
Pedes fulvo strigati aut cincti, obscuri, in *A.*
arthritico nigro-cinerei, unicolores.

6. *Epitriptus*.

†† Corpus plus minusve nigro cinereum. Pedes nigri; tibiæ plerumque fulvæ.

‡ *Mas.* Sexualia incrassata, clavata. 7. *Itamus*.

‡† *Mas.* Sexualia non incrassata clavata.

§ *Mas.* Sexualia supra conspecta plus minusve acuminata. - - 8. *Tolmus*.

§§ *Mas.* Sexualia plus minusve obtusa.

9. *Cerdistus*.

B. *Fam.* Oviductus non compressus.

A. Abdominis incisuræ setis nullis.

a. Barba tenuiter pilosa. - - 10. *Antiphrisson*.

b. Barba plerumque rude pilosa.

a. Abdomen pilis longis vagis. - - 11. *Pamponerus*.

- b. Abdomen tenuiter pilosum.
 i. Corpus magnum, pilosum, nigro varium. 12. Asilus.
 ii. Corpus parvum, nigro-cinereum. - 13. Rhadiurgus.
 c. Abdominis incisuræ setosæ.
 A. Metatarsi anteriores breves. - - 14. Echthistus.
 B. Metatarsi anteriores sat longi.
 a. *Fæm.* Sexualia incrassato clavata. - 15. Antipalus.
 b. *Fæm.* Sexualia obconica, apice spinosa. 16. Philonicus.

Section I.

Group I. LOPHONOTUS.

Fæm. Sexualia compressa.

Oviduct compressed.

Corpus mediocre, obscure cinereum, setosum, mediæ magnitudinis. *Mystax* longus, densus. Thorax setoso cristatus. Abdomen natum, incisuris setosis. *Mas.*—Abdominis segmentum 8umtus dilatatum.

us, p.

honotus, *Macq.*

us Lophonotus, *Loew, Linn. Ent.* iii. 423.

Div. I.

Thoracis crista dense hirta.

1. ASILUS CRISTATUS.

Nigricans; facies et barba alba; mystax albo-nigroque varius; thorax setis nigris cristatus, albo lineatus; abdomen carinatum; pedes nigri; alæ limpide; halteres fulvi.

lus cristatus, *Meig.; Hoffm.; Zweifl.* ii. 322, 24.

tugal.

Div. II.

Thoracis crista parce hirta.

Sub-div. I.

Mystax antennas non attingens. Antennarum articulus 3us cillis, linearis. Metatarsi antici et intermedii sat breves. *Fæm.* Oviductus longus, tenuis, acuminatus.

2. *ASILUS PUNCTIPENNIS*.

Cinereus; facies et barba albæ; mystax albo-nigroque variis; thorax vitta fusca gemina; abdomen carinatum, maculis fuscis micantibus; alæ hyalinæ, venis transversis apiceque infuscatis; halteres fusi.

Asilus punctipennis, Hoffm.; Meig.

Middle Europe. Italy.

3. *ASILUS TENUICORNIS*.

Niger; mystax niger; thorax pilis longioribus nigris brevioribus albidis; abdomen superius pallide, inferius nigro pilorum; alæ limpide.

Asilus tenuicornis, Loew, Linn. Ent. iii. 426, 3.

Chios. Ephesus.

4. *ASILUS NUBECULA*.

Niger; mystax niger; thorax nigro pilosus; abdomen cinereum; alæ limpide, tantum apice pallide sed distincte infumate.

Asilus nubecula, Loew, Linn. Ent. iii. 428, 4.

Smyrna.

Sub-div. II.

Mystax antennis attingens, supra rarior. Antennarum articulus 3us mediocriter latus. Metatarsi antici et intermedii sat longi. Fœm.—Oviductus trigonus, vix elongatus.

I. Femora antica subtus calcarata, necnon setis solitis armata.

5. *ASILUS SETIGER*.

Niger; mystax supra niger, subtus albo flavescens; thorax nigro hirtus; abdomen albo flavescente pilosum et setosum; gemine distincte rufescentia; femora antica subtus setis minus valde armata; alæ limpide, apice margineque postico cinerea. Mas.—Forceps analis apice obtusatus. Fœm.—Oviductus angustus, basi minus compressus.

Asilus setiger, Loew, Linn. Ent. iii. 431, 5.

Smyrna. Ephesus.

6. *ASILUS SPINIGER*.

iger; *mystax supra niger, subtus albo flavescens*; *thorax nigro hirtus*; *abdomen albo flavescente pilosum et setosum*; *femora antica subtus setis validissimis armata*; *alæ fusco-cinereæ, basi et antice flavo tinctæ*. Mas.—*Forceps analis apice acuminatus*. Fœm.—*Oviductus latus valde compressus*.

is spiniger, Zeller, *Isis*, 1840, 70, 21. Loew, Linn. Ent. iii. 433, 6.

is fuscipennis? Meig. *Zweifl.* ii. 337, 50.

II. Femora antica subtus pilosa, non calcarata.

7. *ASILUS FURCIPULA*.

mystax supra niger, subtus albo flavescens; *thorax vittatus, nigro hirtus*; *abdomen nigro-cinereum, incisuris pallide cinereis*; *pedes omnino nigri*; *alæ fuscæ*. Mas.—*Forceps analis magnus, acutus, simplex, apice valde productus, nigro pilosus*. Fœm.—*Oviductus latus, subtrigonus, inferius nigro pilosus*.

is furcipula, Loew, Linn. Ent. iii. 443, 9, 51, 8. Zeller, *Isis*, 1840, 68, 20.

is mixtus, Loew, *Isis*, 1840, 443, 9, 548.

is h and Middle Europe.

8. *ASILUS TRIGONUS*.

inerascens; *facies et barba albæ*; *mystax albo-nigroque varius*; *thorax vittis fuscis confluentibus, media lata*; *abdomen carinatum, incisuris albis, maculis dorsalibus trigonis fuscis, setis ante incisuras perlongis*; *alæ subfuscescentes, apice non infuscatæ*; *halteres sordide flavi*. Mas.—*Forceps analis valde minutus, simplex*. Fœm.—*Oviductus latissimus, margine superiore concavo, inferiore convexo*.

is trigonus, Meig.

is h, Middle and South Europe.

9. *ASILUS TRICUSPIS*.

asilus trigono affinis; *abdomen maculis obscuris subtrigonis setisque ante incisuras longis*; *alæ apice infuscatæ*. Mas.—*Forceps analis magnus, obtusatus, apice tricuspis*. Fœm.—*Oviductus latus, subtrigonus, inferius albido pilosus*.

Asilus tricuspis, Loew, Linn. Ent. iii. 446, 9.

Asia Minor and the Isles of Greece.

10. ASILUS BASALIS.

Fœm. *Cinereo-fuscus*; *mystax magnus, pilis nigris flavidi-que variis*; *tibiæ a basi ad quartam usque partem rufo-testaceæ, alæ subcinereæ, apice margineque postico obscuriores*; *oviductus latus subtrigonus, subtus flavido pilosus, lamellis apice acute mucronulatis.*

Asilus basalis, Loew, Linn. Ent. iii. 450, 10.

Switzerland.

11. ASILUS BIFURCUS.

Cinereo-fuscus; *mystax nigro-flavidaque varius, vix usque ad mediam faciei partem productus*; *thorax parce pilosus*; *tibiæ basi distincte rufæ, intermedia extus longitudinaliter testaceæ, alæ subcinereæ, apice margineque postico paullo obscurioribus.* Mas. — *Forceps analis permagnus, apice bidentatus, dentibus superiore majore resupinato.* Fœm. — *Oviductus latissimus, obtusus, lamina inferiore latissima apice rotundata.*

Asilus bifurcus, Loew.

Austria. Hungary. Upper Italy.

12. ASILUS APICULATUS.

Cinereus; *mystax setis nigris albidisque variis, paullo ultra mediam faciei partem extenso*; *tibiæ omnes basi angustius rufæ; alæ limpidæ, apice margineque postico subcinereæ.* Mas. — *Forceps analis magnus, obtusatus, margine apice reflexo subapiculatus.* Fœm. — *Oviductus subtrigonus, inferius ad basim pallide pilosus.*

Asilus apiculatus, Loew, Linn. Ent. iii. 457, 12.

Mermeriza, Valley of the Xanthus. Asia Minor.

Group 2. EUTOLMUS.

Corpus obscure cinereum, statura mediocri. *Mystax densa.* Thoracis vitta intermedia dimidio postico tantum setoso. *Pede obscuri, femora plerumque rufescentia.* Mas. — *Sexualia parva, non tumida, nec compressa; forceps analis semper simplex, et*

sura tantum apud marginem posticum parva plus minusve semilari. *Fœm.*—Oviductus latiusculus, non perlongus; lamellæ les aut ellipticæ, non elongatæ, nec stylatæ.
solmus, Loew, Linn. Ent. iii.

Div. I.

Femora antica subtus non spinosa.

13. ASILUS RUFIBARRIS.

Flavo-cinereus; facies albido; mystax supra niger, subtus ferrugineus; barba ferruginea; thorax nigro pilosus, vittis fuscis; abdomen fuscum, incisuris pallidis; pedes nigricantes, pilis minutis adpressis fere omnibus pallidis; alæ apice posticique fuscescentes; halteres fulvi. Mas.—Abdominis segmentum Sum margine inferiore in appendicem sat longam producto. Fœm.—Oviductus latissimus, apice oblique truncatus.

us rufibarris, Meig. Zweifl. ii. 311, 6. Macq. Dipt. Nord. Asil. 29, 3. Loew, Isis, 1840, 541, 7; Linn. Ent. iii. 460, 13. us melampodius, Zeller, Isis, 1840, 67, 19. Zett. Dipt. Scand. i. 173, 8.

th and Middle Europe.

14. ASILUS APICATUS.

Mas. Cinereus; mystax fere totus niger, inferius parum flavido pilosus; pedes atrii, pilis minutis adpressis fere omnibus nigris; alæ limpidæ, apice fusco-cinereæ; margo inferior segmenti abdominalis octavi perparum dilatatus, ciliato pilosus.

us apicatus, Loew, Linn. Ent. iii. 464, 14.

tzerland, Tyrol.

15. ASILUS FACIALIS.

Fœm. Cinereus; mystax flavidus, unicolor; genæ longe descendentes; pedes nigri; alæ hyalinæ, subfuscescentes, apice obscuriores; oviductus latus, apice oblique truncatus.

us facialis, Loew, Linn. Ent. iii. 467, 15.

resus.

16. ASILUS PICTIPES.

Mas. *Cinereus*; *mystax supra niger, subtus albidus*; *pedes femorum annulo apicali, tibiurum omnium basali, interum anticorumque altero subapicali, maximeque metatarsi parte rufis*; *alæ limpidae, apice margineque postico cinereæ*; *margo segmenti octavi inferior non dilatatus, ceps analis minutus subacutus, obscure pilosus, et posteriore leviter exciso.*

Asilus pictipes, Loew, Linn. Ent. iii. 470, 16.

Middle Germany.

17. ASILUS CALOPUS.

Cinereus; *mystax nigro-flavoque varius*; *pedes nigri; melleæ, apice abrupte nigre; alæ limpidae, apice marg postico obscuræ.* Mas.—*Margo segmenti abdominalis ferior dilatatus, ciliatus; forceps mediocris, subacutus, et nigro pilosus.* Fœm.—*Oviductus latus, apice oblique tatus, lamellis apicalibus rotundato ovatis, obtusis.*

Asilus calopus, Loew, Linn. Ent. iii. 474, 17.

Makri. Patara. Rhodes.

18. ASILUS PERISCCELIS.

Fœm. *Cinereus*; *mystax parum setosus, ab antennis remotius pedes nigri, tibiis basi anguste sed distincte rufis*; *alpidæ, apice striato obscuriores; oviductus breviter et lamellis apicalibus oblongo ovatis, apice obtusiusculis.*

Asilus periscelis, Loew, Linn. Ent. iii. 478, 18.

Morkan, Asia Minor.

Div. II.

Femora antica subtus spinosa.

19. ASILUS POLYPOGON.

Mas. *Cinereus*; *mystax densissimus, antennis subcon-*
pedes nigri; tibiis basi late et distinctissime rufescent
femoribus anticis subtus setis nigris minus validis; al-
pidae, apice subcinereæ; forceps analis parvus, apice ro-
tatus, margine posteriore profunde exciso.

Asilus polypon, Loew, Linn. Ent. iii. 480, 19.

Ephesus.

20. *ASILUS EXCISUS*.

[as. *Cinereus*; *facies* satis angusta; *mystax* densus, ob *antennas* remotiusculus; *pedes* nigri; *tibiæ* basi utrinque extus longitudinaliter rufæ; *alæ* subfusco hyalinæ, apud *venas* obscuriores; *forceps analis* magnus, latus, validus, apice valde obtusatus, *marginè posteriore* superius exciso.

us excisus, Loew, Linn. Ent. iii. 483, 20.

iesus.

21. *ASILUS MORDAX*.

Cinereus; *mystax* flavidus, extus et superius parum niger; *abdomen* maculis nigris maximis in *mare* subquadratis, in *fœmina* fere semicircularibus; *pedes* nigri, *tibiis* basi rufis; *alæ* limpide, striis subcinereis. Mas.—*Forceps analis* parvus simplex, apice subrotundatus, *marginè posteriore* brevissimo simplice. Fœm.—*Oviductus* latus apice oblique truncatus, *lamellis terminalibus* latis, apice subacutis.

us mordax, Loew, Linn. Ent. iii. 485, 21.

ides.

22. *ASILUS PARRICIDA*.

Cinereus; *mystax* flavidus, extus parce nigro pilosus; *abdomen* flavidum, *incisuris* albidioribus; *pedes* castanei, interdum fere cervini, *femoribus* *tibiisque* anterieus et inferius nigris; *alæ* limpide, apice *marginèque postico* fuscescentes. Mas.—*Forceps analis* vix mediocris, simplex, apice subacutus, *marginè posteriore* simplice rotundato. Fœm.—*Oviductus* latus, apice oblique subtruncatus, *lamellis terminalibus* latis, apice subacutis.

us parricida, Loew, Linn. Ent. iii. 490, 22.

ara.

Group 3. *MACHIMUS*.

Corpus nigro-cinereum aut fusco-cinereum, *statura* mediocri minori. *Facies* lata. *Pedes* sæpissime validi; *femora* plus usve incrassata, antica pilosa. Mas.—*Sexualia* nitida, medio, non compressa nec tumida, forcipe plerumque simplici. Fœm.—*Oviductus* acuminatus, trigonus, plerumque productus, nonnumquam ensiformis, *lamellis* porrectis longiusculis fere stylatis.

The species of this group are distinguished from those of *Eutolmus* by the distinct prominent almost style-shaped lamellæ on the end of the pointed ovipositor of the female, which it has in common with the species of all the following groups of the first principal division; from these last it is distinguished by the distinct widening and by the edge tip-like lengthening of the under hind border of the eighth abdominal segment of the male. The species are of black-gray or of brown-gray colour, of large or of middle size. The legs are more or less stout, the femora are more or less thickened, the anterior are marked by their more or less long and stout hairs. The legs are generally black; the tibiæ are red, the femora are mostly without spines beneath. The face is broad. The sexual parts of the male are shining black in all the species; of middle size, not compressed nor enlarged; the forceps are simple in most species. The ovipositor has in all the species a triangular tip, in some it is sabre-shaped, in most it is somewhat straight, but in none has it a linear figure. Most of these characters are modified in some of the species.

Div. I.

Mas. Abdominis segmentum 8um subtus in mucronem productum.

The under border of the eighth abdominal segment of the male lengthened into an edge, or with a tufted and fringe-like clothing, which has the appearance of an edge.

Subdiv. I.

Mas. et fem. Femora antica subtus setosa.

23. ASILUS CRIBRATUS.

Obscure cinereus; mystax albus; pedes nigri, femoribus tibiisque longitudinaliter piceo striatis; alæ limpidæ venis ferrugineis, apice margineque postico subcinereis venis obscurioribus.
Mas.—Forceps analis margine posteriore profunde excavatus.
Fœm.—Oviductus longus, acutus, basi minus compressus.

Asilus cribratus, Loew, Linn. Ent. iv. 3, 23.

Sicily.

Subdiv. II.

Femora antica maris inermia, *fœm.* subtus setosa.

24. ASILUS CHRYSITIS.

lurulans; facies albida; mystax supra niger, subtus albida; barba albida; thorax vittis et abdomen maculis dorsalibus fuscis; pedes ferruginei, femoribus nigris superius et apice ferrugineis; alæ fuscæ; halteres flavi.

lus chrysis, Hoffm.; Meig., Macq. Hist. Nat. Dipt. i. 304, 4.
Loew, Linn. Ent. iv. 7, 24.

lus femoralis, Zeller, Isis, 1840, 49, 3.

th France. Portugal. Albania, &c.

25. ASILUS FORTIS.

Obscure cinereus; mystax densus, magnus, niger fulvusque; pedes nigri, tibiis omnibus basi anterioribus et extus rufescentibus; alæ limpida, apice margineque postico cinereis. Mas.—Penis dente intermedio lateralibus validiore et longiore.

us fortis, Loew, Linn. Ent. iv. 12, 25.

y. Sicily.

26. ASILUS BASALIS.

Obscure cinereus; mystax magnus, fulvus, setis nonnullis nigris; penis dente intermedio tenui, lateralibus brevioribus; pedes nigri, tibiis basi tantum rufis; alæ limpida, apice margineque postico subcinereis.

us basalis, Loew, Linn. Ent. iv. 16, 26.

agary.

Subdiv. III.

Mas. et fœm. Femora antica setis subtus nullis.

27. ASILUS COLUBRINUS.

subcinereus; facies et mystax flavo-albida; barba alba; thorax nigro vittatus, stria humerali valde abbreviata; abdomen tessellatum; pedes nigri, setis nigris, tibiis basi anguste rufescentibus; alæ subflavescentes, apice cinereæ. Mas.—Abdominis segmentum 8um margine inferiore valde dilatato, in laciniam distinctam vix producta.

us colubrinus, Hoffm.; Meig. Zweifl. ii. 335, 46. Loew, Linn. Ent. iv. 19, 27.

Asilus pilipes? Meig. Zweifl. ii. 320, 21, mas.

Asilus fimbriatus? Meig. Zweifl. ii. 320, 20, fœm.

South Europe.

a, b. England? From Mr. Stephens' collection.

c. Italy? From Dr. Leach's collection.

28. ASILUS GONATISTES.

Mas. et fœm. *Thoracis stria humeralis subintegra; pedes nigri, setis nigris, tibiis basi anguste rufescentibus; alæ limpide, apice margineque postico subcinereis. Mas.—Segmenti abdominalis 8i margo inferior in laciniam satis longam productus.*

Asilus gonatistes, Zeller, Isis, 1840, 65, 17. Loew, Linn. Ent. iv. 24, 28.

Asilus obscurus? Meig. Zweifl. ii. 315, 12.

Cinereus; facies albida; mystax pallidus, supra parum niger; barba flavicans; thorax fusco vittatus; abdomen maculis dorsalibus fuscis; pedes nigricantes; alæ subcinereæ; halteres flavi.

South Europe.*

29. ASILUS RUSTICUS.

Flavo-cinereus; facies, mystax et barba pallida; facies satis laeta; thoracis pedumque setæ fere omnes flavescences; thorax fusco vittatus, postice flavo pilosus; abdomen fuscum, incisuris pallidis; pedes nigro-cinerei; alæ et halteres fuscescentes.

Asilus rusticus, Meig. Zweifl. ii. 311, 7. Loew, Linn. Ent. iv. 21, 29.

Asilus genualis, Zeller, Isis, 1840, 62, 15.

South Europe. Italy. (Verona.)

30. ASILUS ATRICAPILLUS.

Cinereus; facies angusta alba; mystax niger; barba cinereo-alba; thorax vitta nigra; abdomen nigricans, incisuris albis; pedes nigri, femoribus tibiisque longitudinaliter fulvo striatis; alæ apice posticeque cinereo-fuscescentes; halteres fuscescentes.

Mas. *Margo inferior segmenti abdominalis 8i in laciniam apice arcuatim vel subarcuatim excisam productus.*

Asilus atricapillus, Fall. Dipt. Asil. 10, 5; Meig. Zweifl. ii. 327, 31; Zett. Ins. Lapp. 506, 3. Dipt. Scand. i. 168, 4. Loew, Linn. Ent. iv. 31, 30.

Asilus opacus, Gürtl.; Meig.; Macq. Dipt. i. 304, 6.

Cinereus; facies et barba albæ; mystax niger; thorax nigro vittatus; abdomen fusco micans, incisuris cinereis; pedes anteriores rufescentes, postici nigro-piceæ; alæ subcinereæ; halteres albo-fuscescentes.

b. England? From Mr. Stephens' collection.

Asilus calceatus, Megerle; Meig. Zweifl. ii. 316, 14.

Rufo-cinereus; facies albida; mystax supra niger, subtus fulvus; barba fulva; thorax fusco vittatus; abdomen fusco micans, incisuris pallidis; pedes ferruginei, femoribus fuscis; alæ subcinereæ; halteres fulvi.

——? From Mr. Children's collection.

Asilus bicornis, Zeller, Isis, 1840, 56, 10.

Asilus subulatus, Loew, Isis, 1840, 12, 548.

Asilus rufimanus? Megerle; Meig. Zweifl. ii. 339, 53.

Cinereus; facies et barba albida; mystax niger, subtus parum albidus; thorax nigro vittatus, vitta intermedia duplicata; abdomen nigrum, incisuris albis; pedes testacei, femoribus nigris; alæ subcinereæ; halteres albidæ.

Asilus plebeius? Meig. Zweifl. ii. 340, 55. Macq. Hist. Nat. Dipt. i. 306, 15.

Cinereus; facies et barba albæ; mystax supra niger, subtus albus; thorax nigro vittatus, vitta intermedia gemina; abdomen nigrum, incisuris albis; pedes nigricantes; alæ subcinereæ; halteres flavescentes.

b. ———? From Mr. Children's collection.

Orth and South Europe.

Div. II.

Mas. Abdominis segmentum 8um subtus vix dilatatum, hirsutum, mucronem non fingens.

Sub-div. I.

Tibiæ ex parte fulvæ.

31. ASILUS DASYPYGUS.

Alæ pure hyalinæ, apice vix levissime infuscatæ. Mas.—Forceps validus apice obtusus, lamellis inferioribus inferius densissime scopatis. Fœm.—Oviductus longus angustus, apice subrecurvus.

Asilus dasypygus, Loew, Linn. Ent. iv. 39, 31.

Sicily.

32. ASILUS ELEGANS.

Subtus albedo crinitus; alæ ad apicem et marginem posteriorem distincte infuscatæ. Mas.—Forceps viz mediocris, lamellis inferioribus apice late truncatis. Fœm.—Oviductus trigonus, acutus.

Asilus elegans, Loew, Linn. Ent. iv. 42, 32.

Makri, Asia Minor.

Sub-div. II.

Pedes toti nigri.

A. *Mystax setis mediis validissimis.*

33. ASILUS SETIBARBUS.

Frons nigro pilosa; stria thoracis intermedia antrorsum distincte dilatata; femora antica albo pilosa. Mas.—Forceps tenuis, acutus.

Asilus setibarbus, Loew, Linn. Ent. iv. 45, 33.

Rhodes and the Isles of Greece, Asia Minor.

34. ASILUS THORACICUS.

Frons albido pilosa; stria thoracis intermedia lata, antrorsum vis dilatata, femora antica albo pilosa. Mas.—Forceps sat validus, ovatus, obtusiusculus.

Asilus thoracicus, Loew, Linn. Ent. iv. 48, 34.

Makri, Asia Minor.

35. ASILUS LUGENS.

Fœm. Femora antica abdomenque utrinque maxima ex parte nigro pilosa.

Asilus lugens, Loew, Linn. Ent. iv. 51, 35.

Asilus caliginosus? Meig. Zweifl. ii. 313, 10.

Cinereus; facies albida; mystax niger, subtus pallidus; barba pallida; thorax nigro vittatus; abdomen nigro micans; pedes picei; alæ limpidæ, apice subfuscescentes; haltere fusci.

Verona.

36. *ASILUS CYANOPUS*.

Mas. Abdominis margo lateralis maculis nitentibus nullis; segmentum octavum atrum, utrinque nitidissimum; pedes nigro-cyanei.

Asilus cyanopus, Loew, Linn. Ent. iv. 53, 36.

Asiaria.

37. *ASILUS MODESTUS*.

Abdominis margo lateralis serie macularum atrarum nitentium signatus. Mas.—Abdominis segmentum octavum nigrum, superius subopacum.

Asilus modestus, Loew, Linn. Ent. iv. 55, 37.

Asilus modestus and Mermeriza.

Group 4. *MOCHTHERUS*.

Corpus cinereum aut cinereo-flavum, majusculum, mediocre minus. Faciei pars convexa sæpissime minuta. Mystax setis lucis. Pedes fulvescentes, breviter hirti. Mas.—Sexualia sæpissime incrassata, obtusa. Fem.—Oviductus valde acuminatus.

Mochtherus, Loew, Linn. Ent. iv. 58.

Ashy gray, yellowish gray or grayish yellow species, of rather large, middling, or small size. Legs bare, of a predominating clear and more or less reddish yellow colour, which appears and shines through the short covering of hairs. The convex part of the face is in most species very small, and but thinly beset with bristles. The hypostoma is much pointed; the sexual parts of the male are very thick and club-like, *A. castanipes* being the only exception yet known where they are small and rather pointed, but this species is only provisionally associated with the rest.

Div. I.

Femora distincte incrassata. Mas.—Sexualia parva, subacuminata.

38. *ASILUS CASTANIPES*.

Flavo-cinereus; caput et mystax flavicantia; thorax vittis badii; stria humeralis distinctissima, leviter flexuosa; abdomen fusco micans, incisuris pallidis; pedes badii; alæ fuscæ, apice subcinereæ; halteres fusi.

Asilus castanipes, Meig. *Zweifl.* ii. 312, 9. Macq. *Dipt. Exot.* 2, 137, 6. *Explor. Scient. Alg.* iii. *Ins.* 440, 73. Loew, *Lis* *Ent.* iv. 58, 38.

Asilus brunnipes? Fabr. *Ent. Syst.* iv. 384, 35. Meig. *Zweifl.* 331, 38. Wied. *Dipt. Exot.* i. 428, 6. Macq. *Dipt.* i. 34 19.

Dasypogon brunnipes? Fabr. *Syst. Antl.* 170, 27.

Subcinereus; thorax fusco quadrivittatus; abdomen incisus flavis; pedes badii; alæ subflavescentes, apice subcinereæ.

South Europe. Sardinia. North Africa.

Div. II.

Pedes graciles; femora non incrassata. Mas.—Sexualia crassumida.

39. ASILUS FLAVICORNIS.

Antennis totis flavis.

Asilus flavicornis, Ruthe, *Isis*, 1831, 1217. Loew, *Linn. Ent.* i 61, 39.

Asilus Olivierii? Macq. *Dipt. Exot.* i. 2, 136, 3.

Germany.

Mas. *Flavido-cinereus*; antennæ fulvæ; abdomen fuscum, incisuris albidis; pedes mellei.

Isle of Naxos.

40. ASILUS FLAVIPES.

Fœm. *Subferrugineus*; caput flavicans, thorax fusco bivittatus abdomen cinerascens, incisuris albis; pedes flavi, femoribus vitta nigra; alæ flavescentes, postice apiceque subcinereæ; hirsuti teres flavi.

Asilus flavipes, Megerle; Meig. *Zweifl.* ii. 325, 28, Loew, *Linn. Ent.* iv. 63, 40.

Austria. Hungary.

41. ASILUS MUNDUS.

Cinerascens, antennarum articulis 1us et 2us pedesque flavi.

Asilus mundus, Loew, *Linn. Ent.* iv. 65, 41.

Asilus analis? Macq. *Dipt. Exot.* i. 2, 136, 2, pl. 12, f. 4.

Isle of Rhodes.

Mas. *Pallide cinereus; anus crassus, rufus; pedes mellei; alæ subflavescentes, apice cinereæ.*

Isle of Naxos.

42. ASILUS PALLIPES.

Cinereus; facies, mystax et barba alba; thorax fusco vittatus; abdomen nigrum, incisuris albis; pedes flavi, femoribus nigro striatis; alæ apice posticeque subcinereæ; halteres flavi.

Asilus pallipes, Megerle; Meig. *Zweifl.* ii. 327, 32. Zeller, *Isis*, 1840, 56, 9. Loew, *Linn. Ent.* iv. 67, 42.

Asilus omissus, Meig. *Zweifl.* ii. 332, 40.

Subcinereus; facies, mystax et barba alba; thorax vittis obscurioribus; abdomen nigricans, fasciis subcinereis; pedes testacei, femoribus striga nigra; alæ hyalinæ; halteres flavescentes.

Asilus fulvipes, Meig. *Zweifl.* ii. 326, 30.

Schistaceus; facies, mystax et barba alba; thorax vitta duplicata nigra; abdomen nigricans, incisuris albidis; pedes flavi; alæ limpide, apice subcinereæ; halteres flavi.

The whole of Middle Europe.

a. — ?

43. ASILUS STRIATIPES.

Frons nigro pubescens; pedes testacei, femoribus antice nigris. Mas.—Forceps analis testaceus.

Asilus striatipes, Loew, *Linn. Ent.* iv. 69, 43.

Sicily.

44. ASILUS ALBICANS.

Mas. Frons antice albido pilosa; pedes testacei, femoribus antice nigris; forceps analis testaceus.

Asilus albicans, Loew, *Linn. Ent.* iv. 72, 44.

Patara.

Group 5. CERDISTUS.

Corpus nigro-cinereum, aut fere nigrum, parvum, aut vix mediocre. Facies sat parva; pars convexa minuta. Pedes sæpis-

sime nigri. *Mas.*—Forceps analis non acuminatus, nonnunquam fere clavatus. *Fem.*—Oviductus longissimus, acutissimus.

Cerdistus, *Loew*, *Linn. Ent.* iv. 74, 5.

Blackish gray or almost black species of very small or hardly middle size. Colour of the legs mostly black. Forceps not pointed, almost club-like in some species. Ovipositor very long and pointed, otherwise having always the usual structure. Face rather small; convex part little.

45. *ASILUS ERYTHRURUS*.

Cinereus; facies et barba albæ; mystax supra niger, subtus albus; thorax nigro vittatus; abdomen nigro micans, incisuris albis; pedes nigri, tibiis testaceis apice nigris; alæ subcinereæ; halteres flavi.

Asilus erythrurus, *Meig. Zweifl.* ii. 337, 49. *Macq. Hist. Nat. Dipt.* i. 306, 12. *Loew, Linn. Ent.* iv. 74, 45.

Asilus tenuis, *Macq. Dipt.* i. 307, 16.

South France. Piedmont, Italy.

46. *ASILUS DENTICULATUS*.

Tibiæ basi obscure fuscæ. Mas.—Forceps niger, apice testaceo dente elongato tenui.

Asilus denticulatus, *Loew, Linn. Ent.* iv. 77, 46.

Var. Minor. Rhodes. End of April.

Var. Major. Stanchio and Skalanova, Asia Minor. Beginning of June.

47. *ASILUS MELANOPUS*.

Cinereus; facies et barba albæ; mystax albus, supra parum niger; thorax nigro vittatus, vitta intermedia integra; abdomen nigrum, incisuris albis; pedes toti nigri; alæ fuscæ; halteres fusco-flavi.

Asilus melanopus, *Meig. Zweifl.* ii. 338, 52. *Loew, Linn. Ent.* iv. 80, 47.

Asilus alpinus, *Meig. Zweifl.* ii. 336, 48. *Macq. Hist. Nat. Dipt.* i. 309, 28.

Swiss Alps.

mus; *facies, mystax et barba alba*; *scutellum albidum*; *omen nigrum, incisuris albis*; *pedes nigri*; *alæ cinereæ, idio basali hyalinæ*; *halteres fusc.*

E.

Group 6. STILPNOGASTER.

sat parva; *pars convexa magna, valde convexa*. *Thoraculus*. Abdomen omnino nigrum, nitidum.

ter, Loew, Linn. Ent. iv. 82, 6.

rather small; convex part large, very convex. Thorax shorter than in the other groups. Abdomen on both sides black in all directions.

48. ASILUS ÆMULUS.

sat parva; *facies et barba albæ*; *faciei pars convexa magna*; *mystax niger*; *thorax fusco vittatus, vitta intermedia gemina*; *omen utrinque nigrum, nitidum, incisuris punctisque duobus basim albis*; *pedes nigri*; *alæ apice subcinereæ*; *halteres flavi*.

Æmulus, Hoffm.; Meig. Zweifl. ii. 329, 35. Loew, Linn. v. 82, 48.

Æmulus, Zeller, Isis, 1840, 53, 7.

Æmulus, Macq. Hist. Nat. Dipt. i. 309, 25.

South Europe.

Group 7. ITAMUS.

sat nigro-cinereum, mediocre aut majusculum. *Tibiæ nigre fulvæ*. *Mas.*—Sexualia lata, crassa, nigra, nitida. *Oviductus* semper distincte elongatus.

A rather large-sized species, of a blackish gray colour. Male or less tawny. *Male.*—Sexualia broad, thick, black, *Fem.*—Ovipositor of conspicuous length in all the species.

Div. I.

Abdominis segmenta 6um et 7um in oviductum comprehensa.

and seventh abdominal segments forming part of the so that the abdomen of the female appears five-jointed.

49. *ASILUS ÆSTIVUS*.

Cinereus ; *facies, mystax et barba alba* ; *thorax nigro vittatus, vitta intermedia duplicata* ; *abdomen nigrum, incisuræ cinereis* ; *pedes nigri, setis fere omnibus, nigris tibiis fulvis* ; *alæ fere limpidæ* ; *halteres flavi*. *Mas.*—*Abdomen postice cyaneo micans*.

Asilus æstivus, *Schränk. Meig. Zweifl. ii. 316, 15* ; *Macq. Dipt. i. 304, 7* ; *Zeller, Isis, 1840, 54, 8* ; *Zett. Ins. Lapp. 506* ; *Dipt. Scand. i. 167, 3*.

Asilus tibialis, *Fall. Dipt. Asil. 9, 4*.

Asilus niger? *Deg. Ins. vi. 99, 9*.

Asilus cyanurus, *Loew, Linn. Ent. iv. 84, 49*.

Asilus tabidus, *Wied. ; Meig. Zweifl. ii. 332, 41*.

Dilute schistaceus ; *facies argentea* ; *mystax supra niger* ; *subtus albus* ; *barba alba* ; *thorax vittis tribus latis nigris* ; *abdomen fasciis nigro-fuscis* ; *pedes nigri* ; *alæ hyalinæ* ; *halteres flavescentes*.

North and South Europe.

50. *ASILUS COTHURNATUS*.

Cinereus ; *facies albida* ; *mystax stramineus* ; *setis paucis nigris* ; *barba alba* ; *thorax nigro vittatus* ; *abdomen nigrum, incisuræ cinereis* ; *pedes nigri, setis longitudine insignibus majore a parte pallidis, tibiis fulvis* ; *alæ fere limpidæ* ; *halteres flavi*.

Mas. Abdomen postice non cyaneo micans, forcipe anali brevissimo, valde inflato.

Asilus cothurnatus, *Meig. ; Loew, Linn. Ent. iv. 88, 50*.

Middle Europe.

Div. II.

Fœm. Abdominis segmenta 6um et 7um oviductum non formantia.

Fem. Sixth and seventh abdominal segments of the usual structure not forming part of the ovipositor.

51. ASILUS GENICULATUS.

Cinereus; *facies, mystax et barba nigra, ille parvus*; *thorax nigro vittatus*; *abdomen nigro micans, incisuris cinereis*; *pedes nigri, tibiis metatarsisque flavis*; *alæ fere limpidaë*; *halteres flavi*.

asilus geniculatus, Meig. ; Loew, Linn. Ent. iv. 90, 51.

South and part of North Europe.

—e. ——— ?

52. ASILUS ACANTHODES.

Mystax magnus; *tibiæ basi rufo-fuscaë, femora intermedia valde setosa*.

asilus acanthodes, Loew, Linn. Ent. iv. 92, 52.

akri, Asia Minor.

Group 8. TOLMERUS.

Corpus nigro-cinereum, parvum, mediocre, aut sat magnum. facies parva, parte magna convexa. Mystax dense setosus. Pedes gri; femora strigis basalibus rufo-fuscis; *tibiæ basi rufo-fuscaë. Mas.*—*Sexualia sæpissime parva, castanea aut nigra. Fæm.*—*Ovipositor variæ longitudinis.*

tolmerus, Loew, Linn. Ent. iv. 94.

Blackish gray species of rather large, middle, or small size. Colour of the legs mostly black, which is very little or not at all hidden by the short hairiness. In all the species the tibiæ are reddish brown at the base, and the femora have towards the base reddish brown streaks, which are more or less indistinct, but not wanting. Female small; convex part large, thickly beset with bristles. Sexualia the male small, in one species of middle size, chestnut-brown or black, but not shining black, not enlarged in any species, appearing rounded behind when viewed from above. Ovipositor pointed, either rather short or rather long, always much shorter than the three last abdominal segments together.

Div. I.

Pedes valde setosi. Mas.—*Sexualia valde compressa*; *forceps latus.*

Sexualia of the male much compressed; *forceps rather broad. Legs very bristly.*

PART III.

53. ASILUS LONGIMANUS.

Tarsi graciles, elongati.

Asilus longimanus, Loew, Linn. Ent. iv. 95, 51.

Rhodes, and the neighbouring coast of Asia Minor.

Div. II.

Mas. Sexualia parva, non compressa; forceps angustus.

Sexualia of the male small but not compressed; forceps narrow.

54. ASILUS TESSELLATUS.

Alæ hyalinæ, apice levissime infuscatæ; antennarum articulus 3^{us} elongatus, tenuis.

Asilus tessellatus, Loew, Linn. Ent. iv. 98, 54.

Asia Minor.

55. ASILUS PÆCLOGASTER.

Antennarum articulus 3^{us} brevis, arista subæquali; alæ apice leviter infuscatæ.

Asilus pæcilogaster, Loew, Linn. Ent. iv. 101, 55.

Trieste. Sicily.

56. ASILUS PYRAGRA.

Alæ ad apicem marginemque posteriorem totum distinctissime infuscatæ; venter non tessellatus.

Asilus pyragra, Zeller, Isis, 1840, 60, 13. Loew, Linn. Ent. iv. 105, 56.

Germany.

a.—d. ——— ?

Group 9. EPITREPTUS.

Corpus flavo-cinereum aut cinereo-flavum, mediocre aut parvum. Facies parum angustata. Pedes cinereo-fusci, fulvo varii. *Mas.* Sexualia sat parva, acuminata, aut subacuminata. Fem.—Ovipositor ductus trigonus, acuminatus.

Epitreptus, Loew, Linn. Ent. iv. 108.

Yellowish ash-gray or grayish yellow species, of moderate or small size. Legs more or less streaked, blackish in one species at the articulation of the base of the tibia, opaque blackish gray in this

species, owing to the thick overlying hairiness; in all other species an uniform grayish brown, which is a characteristic of this group. The wing not especially narrow. Sexualia of the male rather small, the tip of the abdomen pointed at the tips, but with a distinct rim on the hind border of one species. Ovipositor pointed, triangular.

57. *ASILUS CINGULATUS*.

Canescens; *mystax supra niger, subtus albus*; *barba alba*; *thorax fusco trivittatus*; *abdomen linea dorsali nigra*; *tibiæ fulvæ, nigro annulatæ*; *alæ hyalinæ, postice subcinereæ*; *halteres fulvi*.

Asilus cingulatus, *Fabr. Spec. Ins.* ii. 464, 25; *Ent. Syst.* iv. 385, 41; *Syst. Anth.* 172, 36. *Schr. Faun. Boic.* iii. 2548. *Fall. Dipt. Suec. Asil.* 10, 6. *Meig. Klass. Ins.* 268; *Zweifl.* ii. 325, 29; *Macq. Dipt. Nord. Asil.* 33, 10; *Hist. Nat. Dipt.* i. 305, 10; *Zeller, Isis*, 1840, 59, 12; *Loew, Isis*, 1840, 541, 16. *Asilus annulatus*, *Macq. Dipt. Nord. Asil.* 36, 16.

the whole of Europe. South Italy. Dalmatia. Turkey.

58. *ASILUS SETOSULUS*.

Venter ante incisuras setulis binis validis armatus; *mystax flavidus, pilis nigris superius admixtis*.

Asilus setosulus, *Zeller, Isis*, 1840, 58, 11; *Loew, Linn. Ent.* iv. 111, 58.

Asilus striatus, *Macq. Dipt. Nord. Asil.* 35, 14; *Hist. Nat. Dipt.* i. 396, 14.

Asilus striatus?? *Meig. Zweifl.* ii. 340, 54.

Cinereus; *facies et barba alba*; *mystax albus, supra parum niger*; *thorax nigro vittatus, vitta intermedia gemina*; *abdomen cinereo micans, linea dorsali nigra*; *tibiæ testaceæ*; *alæ hyalinæ, apice cinereæ*; *halteres flavi*.

Asilus nanus, *Loew, Isis*, 1840, 540, 5.

Central Europe.

— ?

59. *ASILUS INCONSTANS*.

Flavo-cinereus; *facies flavicans*; *mystax pilique antennarum pallide flavi*; *barba alba*; *thorax fusco trivittatus*; *abdomen varium, fusco obsolete vittatum, venter ante incisuras setulis binis validis armato*; *pedes subtectei, nigro vittati*; *alæ flavido subcinerei*; *halteres flavo-fusci*.

Asilus inconstans, Hoffm.; Meig.; Germ. Faun. xv. 21. Macq. Dipt. Exot. i. 2, 138, 8; Expl. Sci. Alg. iii. Ins. 441. Loew, Linn. Ent. iv. 114, 59.

Asilus culiciformis? Pallas; Wied. Zool. Mag. i. 2, 32. Meig. Zweifl. ii. 324, 28.

Incanus; facies, mystax et barba alba; thorax fusco trivittatus; abdomen subulatum, fusco fasciatum; pedes fulvescentes, femoribus nigro vittatis; alæ fere limpidae; halteres flavi.

South France. Portugal. Asia Minor. Algeria. Egypt. Canary Isles.

a. Italy. From Dr. Leach's collection.

b. ———?

60. ASILUS SENEX.

Subcinereus; facies angusta, flavicans; mystax, barba et antennæ basi albo pilosa; antennarum articulus 3us sat gracilis; thorax trivittatus; abdomen albo subfasciatum; pedes nigri; alæ limpidae; halteres rufo-fusci.

Asilus senex, Hoffm.; Meig. Zweifl. ii. 321, 22. Loew, Linn. Ent. iv. 117, 60.

Portugal.

61. ASILUS ARTHRITICUS.

Pedes nigri, tibiis basi fuscis.

Asilus arthriticus, Zeller, Isis, 1840, 64, 16. Loew, Isis, 1840, 54, ii. 584; Linn. Ent. iv. 118, 61.

Middle Europe.

62. ASILUS EMARGINATUS.

Mas. et fœm. *Venter absque setulis erectis ante incisuras; mystax pilique in antennarum articulis 1o et 2o omnes flavescens.*

Asilus emarginatus, Loew, Linn. Ent. iv. 121, 62.

Italy. (Rome.)

Section II.

Fœm. Sexualia conica, nonnunquam clavata, non compressa, aut apice tantum subcompressa.

Oviduct conical, occasionally clavate, not compressed, or but slightly compressed at the tip.

Group 10. ANTIPHRISSON.

Corpus mediocre, cinerascens, aut cinereo flavescens. Mystax losus, albus, pilis paucis nigris. Abdomen nudum; incisuræ setis nullis. Pedes strigati. Alæ limpidæ, apice paullo obscuriores. *fas*.—Sexualia parva, simplicia, nigro-fusca aut rufescentia. *Fem*.—Abdomen fere planum, acuminatum. Oviductus conicus, breviter irtus, longitudine mediocri.

antiphrisson, *Loew, Linn. Ent.* iv. 123.

Grayish or grayish yellow species, of moderate size, like those of the preceding group in colour. Mystax white with fine hairs, and with a few black hairs by the epistoma. In a scarce variety of *l. trifarius* the highest hairs are black. Abdomen bare; the incisures with no bristles. Legs with dark and pale stripes; the ground-colour quite apparent through the light covering of hairs. Wings limpid, very slightly darker at the tips. *Male*.—Sexualia small, simple, blackish brown, or brownish red, or paler. *Fem*.—Abdomen acuminate, nearly flat. Oviduct conical, of moderate length, with short hairs.

63. ASILUS ADPRESSUS.

Thorax pilis minutis albis adpressis vestitus.

asilus adpressus, *Loew, Linn. Ent.* iv. 125, 63.

Teander, Asia Minor.

64. ASILUS ANGUSTIFRONS.

Facies angusta.

asilus angustifrons, *Loew, Linn. Ent.* iv. 126, 64.

Teander, Asia Minor.

65. ASILUS TRIFARIUS.

Facies lata, thorax pilis nigris.

asilus trifarius, *Loew, Linn. Ent.* iv. 128, 65.

icily. Isles of Greece. Asia Minor.

Group 11. ASILUS.

Corpus magnum aut maximum, coloribus intensis. Mystaxensus, fulvus aut ferrugineus, unicolor. Proboscis longus, acuminatus. Antennæ basi breviter pilosæ. Thorax planiusculus, brevis hirtus, setis abbreviatis posticis. Abdomen nudum; incisuræ

setis nullis. Metatarsus non abbreviatus. Alæ fulvæ, apice marginæ postico nigro-fuscæ. *Mas.*—Sexualia parva, simplicia. *Fæm.*—Oviductus obconicus, acuminatus.

Asilus, *Loew*, *Linn. Ent.* iv. 132.

Bright and deep coloured, large or very large species. *Mystax* with rough hairs, tawny or ferruginous, of one colour. Proboscis especially long and pointed. First and second joints of the antennæ with short hairs. Thorax rather flat, with short hairs; the bristles short, and not extending beyond the middle. Abdomen bare; incisures without bristles. Metatarsus not shortened. Wings tawny, with blackish brown tips and hind borders. *Male.*—Sexualia small, simple. *Fem.*—Oviduct obconical, acuminated.

66. *ASILUS BARBARUS*.

Ferrugineus; abdomen atrum, punctis lateralibus albis; femora nigra; alæ flavæ, margine postico fusco maculato; halteres fuscæ.

Asilus barbarus, *Linn. Syst. Nat.* 1007, 3. *Meig. Klass.* 245, 2; *Zweifl.* ii. 308, 3. *Macq. Hist. Nat. Dipt.* i. 303, 1. *Expl. Sci. Alg.* iii. *Ins.* 439, 70. *Loew, Linn. Ent.* iv. 132, 65.

South Europe. North Africa.

67. *ASILUS CRABRONIFORMIS*.

Abdomen antice atrum postice flavum.

Asilus crabroniformis, *Linn.*; *Oken, Lehrb. Naturgesch.* iii. 488. *Dum. Cons. Gén. Ins.* pl. 46, f. 10. *Macq. Hist. Nat. Dipt.* i. 303; *Expl. Sci. Alg.* iii. *Ins.* 439, 71, pl. 2, f. 8. *Dahlb. Skand. Ins.* 308, 208. *Zeller, Isis*, 1840, 48, 1. *Zett. Dipt. Scand.* i. 165, 1.

Europe and a great part of Asia. Australia.

a.—c. England. From Mr. Stephens' collection.

Group 12. *RHADIURGUS*.

Corpus mediocre, cinereo-nigrum. Facies nigra, nitida, apud oculos alba. Abdomen nudum; incisuræ setis nullis. *Mas.*—Sexualia mediocria; forceps marginæ postico valde inciso; penis acumedio præ cæteris elongato. *Fæm.*—Abdomen præsertim planum. Oviductus brevis, obtuse obconicum, subtus compressum.

Rhadiurgus, *Loew, Linn. Ent.* iv. 133.

Body grayish black, of moderate size. Face black, shining

site about the eyes. Abdomen bare, without bristles. *Male*.—Sexualia of moderate size; forceps with the hind border deeply indented. *Fem*.—Abdomen more flat than that of the male. Oviduct short, obtusely obconical, somewhat compressed beneath.

68. *ASILUS VARIABILIS*.

Mas et *fœm*. *Obscure cinereus; barba faciei latioris ad maximam partem in mari alba in fœm. nigra, menti nivea; macula sub antennis subquadrata nigra nitidissima; thoracis vitta media subgemina et abdomen nigricantia, incisuris albescentibus; pedes nigri, tibiae posticis metatarsisque omnibus ferrugineis, femoribus anticis subtus albo pilosis; alæ subhyalinæ.*

asilus variabilis, Zett. *Ins. Lapp.* 506, 4; *Dipt. Scand.* i. 169, 5. *Loew, Linn. Ent.* iv. 133, 68.

Orth Europe.

Group 13. *PAMPONERUS*.

Corpus nigro-cinereum, sat magnum. Faciei pars convexa æ cæteris magna. Mystax fere ad antennis ascendens. Thorax muiter et breviter hirtus, breviterque setosus. Abdomen pilosum; incisuræ setis longioribus. Femora anteriora dense setosa. Alæ floratæ. Mas.—Sexualia mediocria; forceps margine postico ille inciso. *Fœm*.—Oviductus brevis, obtuse obconicus.

pamponerus, *Loew, Linn. Ent.* iv. 135.

Body blackish gray, of rather large size. Convex part of the head unusually large. Mystax ascending nearly to the antennæ. Thorax with fine and short hairs, and with short stout bristles. Abdomen hairy; incisures with bristles, which are longer than the hairs. Legs black; tibiæ tawny; anterior femora thickly beset with bristles. Wings highly coloured. *Male*.—Sexualia of moderate size; forceps with the hind border deeply notched. *Fem*.—Oviduct short, obtusely obconical.

69. *ASILUS GERMANICUS*.

Cinereus; mystax supra niger, subtus fulvus; barba fulva; thorax nigro vittatus; abdomen nigrum; tibiæ tarsique fulvæ; alæ costa ferruginea, maris fusæ basi albæ.

asilus germanicus, *Linn. Oken, Lehrb. Naturgesch.* iii. 488. *Zeller, Isis*, 1840, 52, 6. *Zett. Dipt. Scand.* i. 166, 2. *Loew, Linn. Ent.* iv. 135, 69.

Orth and Middle Europe.

♂. England. From Mr. Stephens' collection.

Group 14. ANTIPALUS.

Corpus obscure cinereum, sat magnum. Faciei pars convexa magna. Mystax dense setosus. Abdomen apud incisuras tenuiter setosum. Pedes nigri, setosi; tibiæ fulvæ. Alæ apice margineque postico fusco-cinereis. *Mas.*—Sexualia mediocria; forceps margine postico tenuiter inciso. *Fœm.*—Oviductus niger nitens, valde incrassatus et clavatus.

Antipalus, *Loew, Linn. Ent.* iv. 136.

Body rather large, dull gray. Convex part of the face large. Mystax thickly beset with bristles. Abdomen with slender bristles about the incisures. Legs black, setose; tibiæ tawny. Wings brownish gray at the tips and along the hind borders. *Male.*—Sexualia of inoderate size; forceps slightly notched on the hind border. *Fem.*—Oviduct black, shining, clavate and much incrassated.

70. ASILUS VARIPES.

Cinereus; facies alba; mystax supra niger, subtus albus; barba alba; thorax vitta nigra; abdomen nigrum, incisuris albis; pedes nigri, tibiis et metatarsis fulvis; alæ apice subcinereis; halteres fulvi. *Mas.*—*Femora antica absque setis.* *Fœm.*—*Femora antica basi parum setosa.*

Asilus varipes, Meig. Zweifl. ii. 328, 33. *Zeller, Ent. Zeit.* viii. 280, 1. *Loew, Linn. Ent.* iv. 136, 70.

Asilus macrurus, Ruthe, Isis, 1831, 1221; Loew, Ent. Zeit. viii. 49.

Asilus xanthopygus, Ruthe, Isis, 1831, 1220.

Asilus tenax, Zeller, Isis, 1840, 52, 5.

Asilus aurifluus, Zeller, Isis, 1840, 51, 4.

Middle Europe.

71. ASILUS TRUNCATUS.

Femora antica in utroque sexu multisetosa.

Asilus truncatus, Loew, Linn. Ent. iv. 139, 71.

Ephesus, and about the Meander, Asia Minor.

Group 15. ECHTHISTUS.

Corpus cinereo-flavescens, magnum. Facies lata; pars convexa magna. Mystax densus. Femora anteriora dense spinosa; metatarsi anteriores brevissimi, articulo 2o vix longiores. *Mas.*—

orceps analis mediocris, margine postico inciso. *Fœm.*—Oviductus obconicus.

Anthistius, Loew, *Linn. Ent.* iv. 142.

Grayish yellow species of rather large size. Face broad; the convex part large. Mystax thick. Anterior femora thickly spinose; anterior metatarsi very short, but little longer than the cond joint, a character peculiar to this group. *Male*.—Anal forceps of moderate size; hind border notched. *Fem.*—Oviduct conical.

72. ASILUS RUFINERVIS.

Fulvescens; facies ferruginea; mystax supra niger, subtus albus; barba alba; thorax fusco trivittatus; abdomen maculis dorsalibus fuscis; setæ thoracis abdominisque minus validæ; pedes fulvi, femoribus nigris; alæ antice flavescens, venis fulvescentibus; halteres flavi.

asilus rufinervis, Hoffm.; Meig. *Zweifl.* ii. 324, 27, ex parte.

Ruthe, Isis, 1831, 1219. *Zeller*, Isis, 1840, 49, 2. *Loew*, Isis, 1840, 538, 2.

asilus flavescens? Macq *Hist. Nat. Dipt.* i. 305, 8.

middle Europe.

73. ASILUS COGNATUS.

Setæ thoracis abdominisque validiores; tibiæ rufæ, apice nigra; tarsi nigricantes, basi magis minusve rufescentes.

asilus rufinervis, Meig. *Zweifl.* ii. 324, 27, ex parte.

asilus cognatus, Loew, *Linn. Ent.* iv. 143, 73.

south Russia. Isles of Greece, Asia Minor.

Group 16. PHILONICUS.

Corpus mediocre, cinereum, fere nudum. Faciei pars convexa magna. Mystax parvus. Metatarsi non abbreviati. *Mas.*—Forceps analis vix mediæ magnitudinis, margine postico arcuatim inciso. *Fœm.*—Oviductus obconicus, apice spinosus.

philonicus, Loew, *Linn. Ent.* iv. 144.

Allied to *Proctacanthus*. Body gray, almost bare, of moderate size. Face with the convex part small. Mystax with but few setules. Metatarsi not short. *Male*.—Anal forceps rather less than the middle size, with a concave notch on the hind border. *Fem.*—Oviduct obconical; its tip armed with short spines.

74. ASILUS ALBICEPS.

Fusco-cinereus; facies et mystax alba, hic supra niger; thorax nigro pilosus, fusco vittatus; abdomen supra fuscum, incisuris pallidis; pedes nigricantes; alæ fuscescentes; halteres flavi.

Asilus albiceps, Meig. Loew, Linn. Ent. iv. 145, 72.

Asilus nudus, Loew, Isis, 1840, 542, 9, 548.

Europe.

a. England. From Mr. Stephens' collection.

Var. Cinereus; facies albo sericea; mystax flavido-albus; barba alba; thorax trivittatus, vitta intermedia gemina; abdomen fasciatum; alæ cinerascens; halteres flavi.

Asilus caulescens, Hoffm.; Meig. Zweifl. ii. 336, 47.

Portugal.

Var. Mas et fœm. Cinerascens; faciei cana barba supra paucissime nigra, infra mentique alba; thoracis vittæ, antice pedesque obscure cinerea; femora graciliora, antica subtilius serie parce albo pilosa; alæ subhyalinæ; halteres flavo-albi.

Asilus albibarbus, Zell. Asil. in Isis, 1840, 66, 18. Zell. Dipt. Scand. i. 172, 7.

Europe and South Russia.

Group ?

- A. *Mystax fere niger.* - - - - - *tenuis, Macq.*
 B. *Mystax niger, subtus flavus aut fulvus.*
 A. *Pedes toti nigri.*
 A. *Alæ obscure flavæ.* - - - - - *melanotrichus, Brullé.*
 B. *Alæ cineræ.* - - - - - *melampodius, Zell.*
 C. *Alæ subcineræ, vitta hyalina.* - - - - - *forcipatus, Linn.*
 D. *Alæ limpidæ.* - - - - - *tessellatus, Brullé.*
 B. *Pedes fusc.* - - - - - *varius, Gürtl.*
 C. *Pedes picei.*
 A. *Alæ hyalinæ.* - - - - - *picipes, Meig.*
 B. *Alæ fuscæ.* - - - - - *fuscipennis, Meig.*
 C. *Mystax niger, subtus setis paucis albis.* - - - *nigripes, Macq.*
 D. *Mystax niger, subtus albus.*
 A. *Thorax fusco vittatus.*

- A. Thorax cinereus. - - - - pilipes, *Meig.*
- B. Thorax fulvescens. - - - - marginatus, *Meg.*
- B. Thorax nigro vittatus.
 - A. Abdominis incisuræ albæ. - - - parvulus, *Meig.*
 - B. Abdominis incisuræ non albæ. - - intermedius, *Holm.*
- E. *Mystax* albidus, supra niger.
 - A. Tibiæ anticæ annulatæ. - - - annulatus, *Macq.*
 - B. Tibiæ anticæ non annulatæ.
 - A. Corpus cinereo-flavescent. - - - flavescent, *Macq.*
 - B. Corpus nigricans. - - - - - pumilus, *Macq.*
- F. *Mystax* albo-canescens, margine nigro. - - - hispidus, *Zell.*
- G. *Mystax* flavo-albus, margine nigro. - - - naxius, *Macq.*
- H. *Mystax* albo-nigroque varius. - - - micans, *Meig.*
- I. *Mystax* albus, setis perpaucis nigris. - - - gracilipes, *Meg.*
- J. *Mystax* albus vel albidus.
 - A. Pedes nigrificantes. - - - - - fimbriatus, *Meig.*
 - B. Pedes nigri; tibiæ fulvo annulatæ.
 - A. Alæ flavescentes. - - - - - annulipes, *Brullé.*
 - B. Alæ limpidæ. - - - - - cinerarius, *Pallas.*
 - C. Pedes nigri; tibiæ rufæ. - - - - - tibialis, *Gimm.*
 - D. Pedes testacei, nigro striati. - - - callosus, *Pallas.*
- K. *Mystax* flavo-albus. - - - - - Siculus, *Macq.*
- L. *Mystax* flavicans, setis nonnullis nigris. - - - decipiens, *Hoffm.*
- M. *Mystax* flavicans aut ferrugineus. - - - tephreus, *Hoffm.*
- N. *Mystax* ——— ? - - - - - punctatus, *Macq.*

Some of the following *Asili* may be merely varieties.

75. ASILUS TENUIS.

Fœm. Cinereus; facies albicans; mystax nigricans, faciei dimidium non attingens; abdomen gracile, apice attenuatum, segmentorum marginibus pallidis; pedes nigri; tibiis fulvis apice nigris.

Asilus tenuis, Macq. Hist. Nat. Dipt. i. 307, 16. Meig. Zweifl. vii. 76, 67.

Scily.

76. ASILUS MELANOTRICHUS.

Mas. Niger; mystax supra niger, subtus albo-flavicans; thoracis latera flavicante hirsuta; abdominis latera pilis flavescens instructa; alæ obscure flavæ.

Asilus melanotrichus, *Brullé, Exped. Scient. de Morée*, iii. 2, 637.

Morea.

77. *ASILUS MELAMPODIUS*.

Mas et fœm. *Fusco-cinereus, thorax vittis subtribus obscurioribus; mystax supra niger, infra fulvus; barba fulva flava; pedes nigri et toti nigro spinosi, femoribus anticis et tibiis albo villosis; alæ cinerascens, disco longitudinaliter lineæ; halteres flavi.*

Asilus melampodius, *Zell. Asil. in Isis*, 1840, 67, 19. *Zett. D. Scand.* i. 173, 8.

Asilus forcipatus, var. major, *Fall. Asil.* 9, 5.

North Europe.

78. *ASILUS FORCIPATUS*.

Fulvo-cinereus; facies fulva; mystax supra niger, subtus fulva; barba fulva; thorax nigro vittatus; abdomen fusco micat; pedes nigri; alæ subcinereæ; halteres fulvi.

Asilus forcipatus, *Linn. Oken, Lehrb. Naturg.* iii. 488.

Asilus furcipula? *Zeller.*

a. Italy. From Dr. Leach's collection.

b, c. ———?

79. *ASILUS TESSELLATUS*.

Mas. *Niger; mystax niger, subtus flavescens; thoracis et abdominis latera aureo villosa; thorax vitta dorsali nigra geminis pilis dorsi nigris; abdominis latera pilis longis flavescens; segmentorum margines postici aureo villosi; alæ limpide.*

Asilus tessellatus, *Brullé, Exped. Scient. de Morée*, iii. 2, 296, 6.
Morea.

80. *ASILUS VARIUS*.

Fulvoscens; facies flava; mystax supra niger, subtus flavus; barba alba; thorax fusco vittatus; abdomen fuscum, incisuris flavescens; pedes et halteres fusi; alæ subcinereæ.

Asilus varius, *Gürtl. Meig. Zweifl.* ii. 329, 34.

Austria.

81. ASILUS PICIPES.

canescens; facies et barba pallidæ; mystax supra niger, subtus pallidus; thorax nigro vittatus, vitta intermedia duplicata; abdomen fuscum, incisuris albis; pedes picei; alæ hyalinæ, apice et postice subcinereæ; halteres flavi.

us picipes, Meig. Zweifl. ii. 338, 51.

us furcipula? Zeller.

tria.

82. ASILUS FUSCIPENNIS.

cinereus; facies et barba flavo-canescens; mystax supra niger, subtus pallidus; thorax fusco vittatus; abdomen fasciis fuscis micantibus; pedes picei; alæ cinereo-fuscæ, basi costæque dimidio basali flavescens; halteres flavi.

us fuscipennis, Meig.

Idle and South Europe. Asia Minor.

83. ASILUS NIGRIPES.

cinereus; facies alba; mystax niger, setis subtus paucis albis; pedes nigri, tibiis metatarsisque posticis intus rufo hirtis; alæ apice fuscescentes.

us nigripes, Macq. Dipt. du Nord, 34, 15. Meig. Zweifl. viii. 75, 70.

th France.

84. ASILUS PILIPES.

cinereus; facies et barba albæ; mystax supra niger, subtus albus; thorax fusco vittatus, vitta intermedia gemina; abdomen cinereum, fusco fasciatum; pedes subcinerei; alæ pallide subcinereo-fuscescentes; halteres sordide flavi.

us pilipes, Meig. Zweifl. ii. 320, 21.

th France.

85. ASILUS MARGINATUS.

fulvescens; facies sordide alba; mystax supra niger; subtus albus; barba alba; thorax fusco vittatus; abdomen cinereum, incisuris nigro-fuscis; pedes fusci; alæ apice fusco-cinereæ; halteres fusci.

us marginatus, Megerle; Meig. Zweifl. ii. 331, 39.

tria.

95. *ASILUS FIMBRIATUS*.

Cinereus; *facies, mystax et barba alba*; *thorax nigro vittat vitta intermedia duplicata*; *abdomen nigro-fuscum, incisur pallidis*; *pedes nigricantes*; *alæ subhyalinæ*; *halteres fuscuscentes*.

Asilus fimbriatus, *Meig.*

Europe.

96. *ASILUS ANNULIPES*.

Mas. et fœm. Ater; *mystax flavido-albus*; *thorax vittis tribus subaureis*; *tibiæ basi annulo ferrugineo*; *alæ pallide flavicentes*. *Mas.*—*Abdomen lepide aureo villosum*. *Fœm. Abdomen fere nudum*.

Asilus annulipes, *Brullé, Exped. Scient. de Morée*, iii. 2, 295, 6 pl. 46, f. 6. Allied to *A. cinerarius*, *Meig.*

Calamata, Morea.

97. *ASILUS CINERARIUS*.

Cinereus; *mystax albidus*; *barba alba*; *pedes nigri, tibiis fuscis annulatis*; *alæ limpidæ*; *halteres pallidi*.

Asilus cinerarius, *Pallas*; *Wied.*

South Russia.

98. *ASILUS TIBIALIS*.

Niger, cinereo pilosus; *mystax canus*; *tibiæ rufæ*; *alæ fere limpidæ*.

Asilus tibialis, *Gimm. Bull. Soc. Imp. Nat. Mosc.* 1847, 3, 162, 1

South Russia ?

99. *ASILUS CALLOSUS*.

Cinereus; *barba alba*; *thorax callis duobus anticis fulvis*; *pectus testacei, nigro striati*; *alæ hyalinæ*; *halteres pallidi*.

Asilus callosus, *Pallas*; *Wied. Zool. Mag.* i. 2, 30. *Meig. Zool. Mag.* ii. 333, 42.

South Russia.

100. *ASILUS SICULUS*.

Ferrugineus, lateribus cinereis; *mystax albidus*; *pedes fulvi*; *pectus flavicantes*.

Asilus Siculus, *Macq. Hist. Nat. Dipt.* i. 303, 3. *Meig. Zool. Mag.* vii. 74, 64.

Sicily.

101. ASILUS DECIPiens.

Cinereus; facies et barba albæ; mystax flavicans, setis nonnullis nigris; thorax nigro-fusco trivittatus; abdomen albo fasciatum; pedes nigri, femoribus apice supra badiis; alæ limpide viæ flavescens; halteres ferruginei.

asilus decipiens, Hoffm.; Meig. Zweifl. ii. 334, 44.

Portugal.

102. ASILUS TEPHRÆUS.

Cinereus; facies orichalcea; mystax et barba flavicantia; thoracis vitta media lateralibus multo distinctior; pedes fulvi, nigro varii; alæ limpide, apice subcinereæ; halteres flavi.

asilus tephreus, Hoffm.; Meig. Zweifl. ii. 334, 45.

Portugal.

103. ASILUS PUNCTATUS.

Mas. Abdomen cinereum, nigro micans, segmentis quatuor antice punctis duobus cinereis.

asilus punctatus, Macq. Hist. Nat. Dipt. i. 308, 24. Meig. Zweifl. vii. 76, 69.

ance.

North America.

Mystax niger, cinereo mixtus. - - - *tibialis*, Macq.

Mystax niger, subtus flavus.

A. Abdomen basi cano hirtum. - - - *Sadyates*, Walk.

B. Abdomen basi flavo hirtum. - - - *Alethes*, Walk.

Mystax niger, subtus albus.

A. Tibiæ cinctæ.

a. Thorax cinereus. - - - *annulipes*, Macq.

b. Thorax flavo-fuscus. - - - *Paropus*, Walk.

B. Tibiæ non cinctæ.

a. Thorax cinereus, vitta nigricante. - *Novæ Scotiæ*, Macq.

b. Thorax fuscus, fulvo trivittatus. - *Lecythus*, Walk.

Mystax flavido-cinereus. - - - *interruptus*, Macq.

Mystax fulvus. - - - *sericeus*, Say.

Mystax flavus aut flavescens aut flavo-albus.

A. Antennæ nigræ.

a. Alæ apice cinereæ aut subfuscæ.

a. Abdomen albo fasciatum. - - - *notatus*, Wied.

b. Abdomen albo non fasciatum. - *Antimachus*, Walk.

95. *ASILUS FIMBRIATUS*.

Cinereus; facies, mystax et barba alba; thorax nigro vittatus, vitta intermedia duplicata; abdomen nigro-fuscum, incisuris pallidis; pedes nigricantes; alæ subhyalinae; halteres flam-fuscescentes.

Asilus fimbriatus, Meig.

Europe.

96. *ASILUS ANNULIPES*.

Mas. et form. Ater; mystax flavido-albus; thorax vittis tribus subaureis; tibiae bari annulo ferrugineo; alæ pallide flam-centes. Mas.—Abdomen lepide aureo villosum. Fem.—Abdomen fere nudum.

Asilus annulipes, Brullé, Exped. Scient. de Morée, iii. 2, 295, 634, pl. 46, f. 6. Allied to A. cinerarius, Meig.

Calamata, Morea.

97. *ASILUS CINERARIUS*.

Cinereus; mystax albidus; barba alba; pedes nigri, tibiis fulvis annulatis; alæ limpidae; halteres pallidi.

Asilus cinerarius, Pallas; Wied.

South Russia.

98. *ASILUS TIBIALIS*.

Niger, cinereo pilosus; mystax canus; tibiae rufæ; alæ fere limpidae.

Asilus tibialis, Gimm. Bull. Soc. Imp. Nat. Mosc. 1847, 3, 162, 5.

South Russia?

99. *ASILUS CALLOSUS*.

Cinereus; barba alba; thorax callis duobus anticis fulvis; pedes testacei, nigro striati; alæ hyalinae; halteres pallidi.

Asilus callosus, Pallas; Wied. Zool. Mag. i. 2, 30. Meig. Zweif. ii. 333, 42.

South Russia.

100. *ASILUS SICULUS*.

Ferrugineus, lateribus cinereis; mystax albidus; pedes fulvi; alæ flavicantes.

Asilus Siculus, Macq. Hist. Nat. Dipt. i. 303, 3. Meig. Zweif. vii. 74, 64.

Sicily.

101. ASILUS DECIPIENS.

Cinereus; facies et barba albæ; mystax flavicans, setis nonnullis nigris; thorax nigro-fusco trivittatus; abdomen albo fasciatum; pedes nigri, femoribus apice supra badiis; alæ limpida vix flavescens; halteres ferruginei.

asilus decipiens, Hoffm.; Meig. Zweifl. ii. 334, 44.

portugal.

102. ASILUS TEPHRÆUS.

Cinereus; facies orichalcea; mystax et barba flavicantia; thoracis vitta media lateralibus multo distinctior; pedes fulvi, nigro varii; alæ limpida, apice subcinerea; halteres flavi.

asilus tephreus, Hoffm.; Meig. Zweifl. ii. 334, 45.

portugal.

103. ASILUS PUNCTATUS.

Mas. Abdomen cinereum, nigro micans, segmentis quatuor anticis punctis duobus cinereis.

asilus punctatus, Macq. Hist. Nat. Dipt. i. 308, 24. Meig. Zweifl. vii. 75, 69.

ance.

North America.

Mystax niger, cinereo mixtus. - - - tibialis, Macq.

Mystax niger, subtus flavus.

A. Abdomen basi cano hirtum. - - - Sadyates, Walk.

B. Abdomen basi flavo hirtum. - - - Alethes, Walk.

Mystax niger, subtus albus.

A. Tibiæ cinctæ.

A. Thorax cinereus. - - - annulipes, Macq.

B. Thorax flavo-fuscus. - - - Paropus, Walk.

B. Tibiæ non cinctæ.

A. Thorax cinereus, vitta nigricante. - Novæ Scotiæ, Macq.

B. Thorax fuscus, fulvo trivittatus. - - - Lecythus, Walk.

Mystax flavido-cinereus. - - - interruptus, Macq.

Mystax fulvus. - - - sericeus, Say.

Mystax flavus aut flavescens aut flavo-albus.

A. Antennæ nigræ.

A. Alæ apice cinereæ aut subfusca.

a. Abdomen albo fasciatum. - - - notatus, Wied.

b. Abdomen albo non fasciatum. - - - Antimachus, Walk.

- a. Alæ totæ limpidæ. - - - Orphne, *Walk.*
 B. Antennæ basi pallidæ.
 a. Femora anteriora nigra. - - - ultimus, *Walk.*
 b. Femora anteriora nigro vittata. - - - Herminius, *Walk.*
 c. Pedes mellet. - - - - - gracilis, *Wied.*
 H. *Mystax* albus aut albidus. - - - femoralis, *Macq.*

Group 1.

Corpus minor, cinereum, parce setosum, vix hirtum. Facies apud epistoma convexa. *Mystax* dense setosus. Proboscis gracilis, linearis. Antennarum articulus 3us lanceolatus, 1o paullo longior; arista 3o brevior. Abdomen gracile, thorace duplo longius. Pedes sat validi, spinosi, parce hirti. *Mas.*—Sexualia parva. *Fem.*—Abdomen compressum, apicem versus attenuatum et lanceolatum.

Radial vein curved at its tip. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First and second externo-medial veins almost straight; third very slightly curved, forming an obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal very near the border.

Asilus *Sadyates*, *Walk.*; *A. Alethes*, *Walk.*; *A. Lecythus*, *Walk.*

Group 2.

Fœm. Corpus ferrugineum, fere nudum. Facies plana. *Mystax* sat dense setosus. Proboscis valida, lanceolata. Thoracis latera parce setosa. Abdomen longum, sublineare, apicem versus oblanceolatum, thorace triplo longius, alas longe superans. Pedes longiusculi, sat graciles, parce spinosi, non pilosi.

Cubital vein forked at a little before two-thirds of its length; forks nearly straight. First externo-medial curved at its base; second straight; third hardly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth wing far from the border. Subanal joining the anal on the border.

Asilus *Herminius*, *Walk.*

104. *ASILUS TIBIALIS*.

Fœm.—*Cinereus*; *mystax niger*, cinereo mixtus; antennæ nigre; thorax vittis nigris; abdomen cinereo-nigrum; pedes nigri, tibiis testaceis apice nigris; alæ fuscescentes.

Asilus tibialis, *Macq. Hist. Nat. Dipt. i. 313, 38.*

Philadelphia.

105. ASILUS SADYATES.

lus Sadyates, *Cat. of Diptera*, Pt. 2, 453.

io.

106. ASILUS ALETHES.

lus Alethes, *Cat. of Diptera*, Pt. 2, 454.

New York. Presented by the Entomological Club.

107. ASILUS ANNULIPES.

Æm. *Cinereus; abdomen fuscum, incisuris albidis; tibiæ flavæ, fusco-cinctæ; tarsi nigri, articulis basi metatarsoque fulvis; alæ hyalinæ, apice subcinereæ.*

lus annulipes, *Macq. Dipt. Exot.* i. 2, 149, 36.

rolina.

108. ASILUS PAROPUS.

lus Paropus, *Cat. of Diptera*, Pt. 2, 455.

w York.

109. ASILUS NOVÆ SCOTIÆ.

Mas. *Cinereus; thorax vitta recta nigricante; abdomen nigrum fusco micans, incisuris albis; pedes nigri, tibiis metatarrisque fulvis; alæ hyalinæ, apice maculisque posticis cinereis.*

ilus Novæ Scotiæ, *Macq. Dipt. Exot. Suppl.* 2, 46, 62.

va Scotia.

110. ASILUS LECYTHUS.

ilus Lecythus, *Cat. of Diptera*, Pt. 2, 451.

r. P. Asilus Agrius, *Cat. of Diptera*, Pt. 2, 452.

va Scotia.

111. ASILUS INTERRUPTUS.

Fœm. *Cinereus; mystax flavido-cinereus; antennæ nigrae, articulo 1o rufescente; thorax vittis fuscis lineaque intermedia albida; abdomen nigrum, segmentis 2o et 3o fasciis interruptis cinereis, 6o et 7o cinereis vitta dorsali nigra; femora, tibiæ et metatarsi antici rufo subvaria; alæ subfuscescentes.*

ilus interruptus, *Macq. Hist. Nat. Dipt.* i. 310, 29.

orgia.

112. *ASILUS SERICEUS*.

Fœm. *Aurato-fuscus*; *mystax fulvus*; *antennæ fuscae*; *vitta latissima nigro-fusca*; *pedes fuscis*, *tibiis flavæ*, *marginè interno apiceque fuscis*, *limbo venarum flavo*.

Asilus sericeus, Say, *Journ. Acad. Philad.* iii. 48, 2. *Wie*
Zweifl. i. 429, 8.

Pennsylvania.

113. *ASILUS NOTATUS*.

Mas. *Niger*; *mystax flavo-albus*; *thorax cinerascens*, *nigris*; *tibiæ basi melleæ*; *alæ limpidæ*, *apice cinereæ*.

Asilus notatus, Wied. *Auss. Zweifl.* i. 451, 40.

United States.

114. *ASILUS ANTIMACHUS*.

Asilus Antimachus, *Cat. of Diptera*, Pt. 2, 454.

Trenton Falls.

115. *ASILUS ORPHNE*.

Asilus Orphne, *Cat. of Diptera*, Pt. 2, 456.

New York.

116. *ASILUS ULTIMUS*.

Asilus ultimus, *Diptera Saundersiana*, Pt. 2, 136.

North America.

117. *ASILUS HERMINIUS*.

Asilus Herminius, *Cat. of Diptera*, Pt. 2, 410.

This may be the same as *A. sericeus*, but differs from description of that species.

Massachusetts.

118. *ASILUS GRACILIS*.

Mas. *Cinereus*; *mystax flavescens*; *antennæ pedesque* " *thorax non vittatus*; *abdomen nigricans*, *cinereo hirtum* *breves*, *subflavescentes*, *apice margineque fuscis*.

Asilus gracilis, Wied. *Auss. Zweifl.* i. 445, 31.

United States.

119. *ASILUS FEMORALIS*.

œm. *Mystax albidus*; *thorax fulvidus*, *vittis fuscis*; *abdomen fuscum*, *incisuris flavidis*; *pedes fulvi*, *femoribus supra nigris*; *alæ hyalinæ*, *apice subfuscæ*.

lus femoribus, *Macq. Dipt. Exot. Suppl. 2*, 45, 61.

ladelphia.

Mexico.

120. *ASILUS MEXICANUS*.

las. Niger; *mystax subtus barbaque alba*; *pedes anteriores fulvi*; *alæ subcinereæ*.

lus mexicanus, *Macq. Dipt. Exot. Suppl. 1*, 94, 55.

xico.

West Indies.

121. *ASILUS PLINTHOPYGUS*.

las. Fuscanus; *antennæ nigræ*; *mystax albus*; *abdomen basi nigrum*, *apice testaceum*; *pedes nigri*; *alæ subflavescentes*.

us plinthopygus, *Wied. Dipt. Exot. i.* 184, 4; *Auss. Zweifl. i.* 432, 11.

a.

122. *ASILUS ATRIPES*.

œm. *Flavo-cinereus*; *mystax albidus*; *antennæ nigræ*; *thorax vittis nigris*, *exterioribus valde interruptis*; *abdomen fuscum*, *incisuris albidis*; *pedes nigri*, *tibiis obscure fuscis*.

ypogon atripes, *Fabr. Syst. Antl.* 170, 29.

us atripes, *Wied. Dipt. Exot. i.* 195, 24; *Auss. Zweifl. i.* 455, 46.

it Indies.

South America.

Corpus ænescens. - - - - *Americanus*, *Macq.*

Abdomen chalybeum.

. *Alæ chalybeæ*. - - - - *iopterus*, *Wied.*

. *Alæ non chalybeæ*. - - - - *cæruleiventris*, *Macq.*

Abdomen non chalybeum.

. *Alæ nigro-violaceæ*. - - - - *abdominalis*, *Wied.*

- B. Alæ violaceo-fuscæ.* - - - - luctuosus, *Macq.*
C. Alæ non violacææ.
a. Mystax niger.
a. Antennarum articulus 3us non compressus,
i. Alæ fuscæ. - - - - Gerion, *Walk.*
ii. Alæ flavescentes aut subfulvæ. - auribarbæ, *Hoffm.*
b. Antennarum articulus 3us compressus.
himantocerus, Wied.
b. Mystax supra plus minusve niger, subtus plus minusve pallidus.
a. Pedes nigri.
i. Mystax niger, setis subtus nonnullis albis.
** Alæ flavescentes.*
† Alæ apice pallidæ. - - - - nigrinus, *Macq.*
†† Alæ apice fuscæ. - - - - albipilosus, *Macq.*
*** Alæ sublimpidæ, fusco lineatæ, apice subcineræ.*
Tatius, Walk.
ii. Mystax flavus aut albus, setis supra nonnullis nigris.
** Corpus cyaneo-nigrum.* - - - - Herdonius, *Walk.*
*** Corpus nigro-fuscum.* - - - - Gamaxus, *Walk.*
iii. Mystax supra niger, subtus flavus. Lycorius, *Walk.*
b. Pedes ex parte pallidi.
i. Tibiæ posticæ albidæ. - - - - barbatus, *Fabr.*
ii. Tibiæ posticæ non albidæ.
** Femora nigra.*
† Tibiæ nigræ.
‡ Tibiæ basi fulvæ. - - - - Eupator, *Walk.*
‡‡ Tibiæ apice subtus fulvæ. - - - - Gavius, *Walk.*
†† Tibiæ pallidæ.
‡ Alæ fuscæ. - - - - Servillei, *Macq.*
‡‡ Alæ subflavescentes. - - - - Lebasii, *Macq.*
‡‡‡ Alæ subhyalinæ, apice cineræ.
consanguineus, Macq.
‡‡‡‡ Alæ hyalinæ, apice subfuscæ. Gayi, *Macq.*
‡‡‡‡‡ Alæ limpidæ, areolæ apicales et posticæ
discis cinereis. - - - - Antiphus, *Walk.*
‡‡‡‡‡‡ Alæ subcineræ. - - - - hebes, *Walk.*
*** Pedes rufi, nigro vittati.* - - - - Baletus, *Walk.*
**** Pedes castanei.* - - - - rufipalpis, *Macq.*
***** Pedes pallidi.*
† Thorax nigro vittatus. - - - - Ctesicles, *Walk.*
†† Thorax fusco vittatus.
‡ Abdomen rufum. - - - - rufinus, *Wied.*

- ‡‡ Abdomen fulvum, basi piceum, apice nigrum. - - - Leonides, *Walk.*
- c. *Mystax totus pallidus.*
- a. *Pedes nigri.*
- i. Alæ subflavescentes, apice infumatæ.
- ii. Alæ flavescentes. - - - carbonarius, *Wied.*
- iii. Alæ sublimpidæ, apice cineræ. Therimachus, *Walk.*
- b. *Pedes nigri, tibiis fulvis.* - - longiusculus, *Walk.*
- c. *Femora supra nigra.*
- i. Alæ flavescentes. - - - clavatus, *Macq.*
- ii. Alæ limpidæ, apice cineræ. - - tenuis, *Wied.*
- d. *Femora nigro vittata.*
- i. Thorax cinereus, nigro vittatus. - mellipes, *Wied.*
- ii. Thorax fuscus, fulvo vittatus. - Mucius, *Walk.*
- e. *Femora apice nigra.*
- i. Alæ subflavescentes. - - - Hilarii, *Macq.*
- ii. Alæ subcineræ. - - - 6-maculatus, *Walk.*
- f. *Femora apice fusca.* - - - lutipes, *Wied.*
- g. *Femora tota pallida.*
- i. Alæ flavidæ, apice fuscæ. - - Colombiæ, *Macq.*
- ii. Alæ fulvæ. - - - Calatinus, *Walk.*

Group 1.

Corpus mediocre, metallicum, hirtum. Caput subtus densipilosum. Facies plana. *Mystax* parvus, setis paucis. *Pro-s* lanceolata. *Antennarum* articulus 1us 2o duplo longior; lanceolatus, 1o paulo longior; arista 3o brevior. *Thoracis* a et scutellum setosa. Abdomen basi pilosum. *Pedes* hirti, spinosi; tarsi crassi, metatarsis subdilatatis; tibiæ anteriores æ. Alæ abdomen superans. *Mas.*—Abdomen sublineare. alia minima. *Fæm.*—Abdomen oblanceolatum, apice subdresum.

Radial vein joining the subcostal at very far from the tip of the r. Cubital forked at very little beyond half its length; forks ght, parallel, converging at their base, diverging at their tips. and second externo-medial veins nearly straight; third hardly ed, forming an obtuse angle with the præbrachial, joining the h extremely far from the border. Subanal joining the anal rom the border.

is iopterus, *Wied.*

Group 2.

Fæm. Corpus mediocre, gracile, fere nudum. Caput subtus sat dense pilosum. Facies apud epistoma convexa. Mystax ut dense setosus. Proboscis sub lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o vix brevior; arista 3o multo longior. Thoracis latera setis paucis. Abdomen ob lanceolatum, alas vix superans, apice compressum nitens læve. Pedes sat graciles, breviter spinosi, parce pubescentes. Alæ longiusculæ.

Radial vein curved near its tip, joining the subcostal at a short distance from the tip of the latter. Cubital forked at very much beyond half its length; fore fork hardly undulating, curved at its base; hind fork nearly straight. First and second externo-medial veins very slightly undulating; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Asilus Gerion, Walk.

Group 3.

Mas. Corpus mediocre, dense hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus, antennis attingens. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o brevior. Thoracis latera et scutellum setosa. Abdomen pilis longis hirtum, abdomen non superans. Sexualia mediocria, hirta. Pedes robusti, hirti, setosi.

Radial vein slightly curved near its tip, joining the subcostal near the tip of the latter. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First and second externo-medial veins straight; third curved, forming a hardly obtuse angle with the præbrachial, which is slightly curved, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Asilus Antiphus, Walk.

Group 4.

Fæm. Corpus parvum, tomentosum, non pilosum. Caput subtus pilosum. Facies apud epistoma convexa. Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo brevior; arista 3o multo longior. Thoracis latera et scutellum parce setosa. Abdomen ob lanceolatum, thorace duplo longius, alas vix superans, apice compresso lævi nitido. Pedes validi, parce spinosi, non hirti.

bital vein forked at much before half its length; fore fork undulating; hind fork nearly straight. First and second medial veins hardly curved; third slightly curved, forming an angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border. *abes, Walk.*

Group 5.

s. Corpus mediocre, parce hirtum. Caput subtus dense. Facies parum convexa. Mystax raro setosus. Proboscis linearis. Antennarum articulus 1us 2o duplo longior; 3onicus, 2o paullo longior; arista 3o plus duplo longior. latera parce setosa. Abdomen sublineare, thorace non longius, alas non superans. Sexualia parva. Pedes robusti, inosi, non hirti. Alæ latiusculæ.

bital vein forked beyond half its length; fore fork hardly ng; hind fork almost straight. First and second externo-veins almost straight; third very slightly curved, forming an angle with the præbrachial, joining the fourth far from the Subanal joining the anal near the border.

laetus, *Walk.*

Group 6.

s. Corpus mediocre, parce hirtum. Caput subtus dense. Facies parum convexa. Mystax vix dense setosus. is sublanceolata. Antennarum articulus 1us 2o triplo 3us lanceolatus, 3o brevior; arista 3o fere duplo longior. latera et scutellum setosa. Abdomen subcylindricum, plus duplo longius, alas superans; latera basim versus Sexualia parva. Pedes validi, parce spinosi, vix hirti.

bital vein forked at hardly before half its length; forks traight, with the exception of the obtuse angle by the base re fork. First and second externo-medial veins very slightly forming an obtuse angle with the præbrachial, joining the ar from the border. Subanal joining the anal near the

ngiusculus, *Walk.*

Group 7.

n. Corpus parvum, gracile, nudum. Caput subtus parce Facies plana. Mystax setis paucissimis. Proboscis

gracilis, lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo brevior; arista 3o multo longior. Thoracis latera setis paucissimis. Abdomen fere oblongum thorace plus duplo longius, alas non superans, apice com-
attenuatum acuminatum. Pedes graciles, nudi, spinis pau-

Cubital vein forked at very much beyond half its length nearly straight. First and second externo-medial vein straight; third hardly curved, forming a very obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal near the border.

Asilus Mucius, Walk.

Group 8.

Fem. Corpus parvum, tomentosum, non hirtum. Caput pilosum. Facies plana. Mystax parvus, setis perpaucis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o multo brevior; arista 3o fere longior. Thoracis latera et scutellum setis paucis. Abdomen lanceolatum, thorace duplo longius, alas vix superans, apice obtusum. Pedes validi, spinosi, non hirti.

Cubital vein forked at rather beyond its middle; first slightly undulating; hind fork nearly straight. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus sexmaculatus, Walk.

Group 9.

Mas. Corpus mediocre, sat gracile, parce pubescens, 1o pilosum. Caput subrotundum sat dense pilosum. Facies plana, aperturæ vix convexa. Mystax parvus, raro setosus. Proboscis sublinearis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o multo brevior; arista 3o plus duplo longior. Thoracis latera parce setosa. Abdomen oblongum thorace plus duplo longius, alas superans. Sexualia parva. Pedes validi, parce nudi.

Radial vein nearly straight, joining the subcostal near the latter. Cubital forked at a little beyond half its length hardly curved, forming an obtuse angle at its base; hind fork very slightly curved hindward. First and second externo-medial veins nearly straight; third hardly curved, forming a slight

e with the præbrachial, joining the fourth very far from the
er. Subanal joining the anal very near the border.

as Calatinus, Walk.

123. ASILUS AMERICANUS.

œm. *Ænescens*; *mystax flavus*; *pedes virides*, *tibiæ posticæ testacæ*; *alæ subcinereæ*.

honotus Americanus, Macq. *Dipt. Exot. Suppl.* 1, 87, 13.

zil.

124. ASILUS IOPTERUS.

œm. *Niger*; *thorax albo lineatus*; *abdomen*, *pedes et alæ chalybea*; *abdomen basi albo hirtum*.

lus iopterus, Wied.

zil.

125. ASILUS CÆRULEIVENTRIS.

las. *Niger*; *mystax albus*; *thorax albido tomentosus*; *abdomen cæruleo-nigrum*; *alæ hyalinæ*, *costa et apice cinereis*.

lus cæruleiventris, Macq. *Dipt. Exot. Suppl.* 1, 93, 52.

lombia.

126. ASILUS ABDOMINALIS.

las. *Fulvescens*; *antennæ nigræ*; *mystax albus*; *thorax nigro vittatus*; *abdomen album*; *pedes nigri*, *tibiis obscure rufescentibus*; *alæ nigro-violacææ*.

lus abdominalis, Wied. *Dipt. Exot.* i. 185, 6; *Auss. Zweifl.* i. 432, 12.

th America.

127. ASILUS LUCTUOSUS.

las. *Ater*; *abdomen apice fuscum*; *tibiæ tarsique anteriora testacæ*, *hi intus nigri*; *alæ violaceo-fusææ*.

us luctuosus, Macq. *Dipt. Exot.* i. 2, 146, 28.

zil.

128. ASILUS GERION.

us Gerion, *Cat. of Diptera*, Pt. 2, 433.

zil.

129. *ASILUS AURIBARBIS*.

Mas. et foem. *Niger; mystax niger; barba fulvida; thorax fulvus, nigro vittatus; abdomen incisuris albis; alæ flavacentes; mas. tibiæ rufescentes.*

Asilus auribarbis, Hoffm.; Wied. Dipt. Exot. i. 186, 8; *Aus. Zweifl.* i. 437, 19.

Brazil.

130. *ASILUS HIMANTOCERUS*.

Foem. *Fuscus; mystax niger; antennæ ochraceo-fuscae, articulo 3o nigro compresso elongato; thorax vittis tribus nigro-fuscis, abdomen nigro-fuscum, incisuris albis; pedes flavescens, fusco variis; alæ subflavescentes, dimidio costali fusco.*

Asilus himantocerus, Wied. *Aus. Zweifl.* i. 447, 34.

Brazil.

131. *ASILUS NIGRINUS*.

Mas. *Ater, cinereo pubescens; thorax vittis nigris; abdomen incisuris albis; alæ flavescens hyalinae.*

Asilus nigrinus, Macq. Dipt. Exot. Suppl. 3, 30, 64, pl. 3, f. 5.

Brazil.

132. *ASILUS ALBIPILOSUS*.

Mas. *Cinereus; mystax niger, subtus albus; thorax vittis fere contiguis nigris; abdomen nigrum, incisuris albidis; pedes nigri, albo hirti, tibiis anticis intus fulvo tomentosus; alæ subflavescentes, apice margineque postico subflavescentes.*

Asilus albipilosus, Macq. Dipt. Exot. Suppl. 1, 92, 51.

Brazil. Bogotà.

133. *ASILUS TATIUS*.

Asilus Tattius, *Diptera Saundersiana*, Pt. 2, 148.

Colombia.

134. *ASILUS HERDONIUS*.

Asilus Herdonius, *Diptera Saundersiana*, Pt. 2, 140.

South America.

135. ASILUS GAMAXUS.

lus Gamaxus, *Diptera Saundersiana*, Pt. 2, 142.
lombia.

136. ASILUS LYCORIUS.

lus Lycorius, *Diptera Saundersiana*, Pt. 2, 143.
th America.

137. ASILUS BARBATUS.

Niger; thorax rubro vittatus; mystax, abdominis apex et tibiæ posticæ albida.

lus barbatus, *Fabr. Ent. Syst.* iv. 379, 12; *Syst. Antl.* 155, 7.
Wied. Dipt. Exot. i. 187, 9; *Auss. Zweifl.* i. 439, 22.
zil. Cayenne.

138. ASILUS EUPATOR.

lus Eupator, *Diptera Saundersiana*, Pt. 2, 147.
zil.

139. ASILUS GAVIUS.

lus Gavius, *Diptera Saundersiana*, Pt. 2, 151.
zil.

140. ASILUS SERVILLEI.

Mas. Niger; facies flava; mystax supra niger; thorax cinereo-fuscus, vittis nigris; tibiæ fulvæ, apice nigræ; alæ fuscæ, basi pallidiores.

lus Servillei, *Macq. Hist. Nat. Dipt.* i. 313, 37.
zil.

141. ASILUS LEBASII.

gem. Cinereus; thorax flavidus nigro vittatus; abdomen nigricans, tessellatum; pedes nigri, tibiis rufis, metatarsis rufescentibus; alæ subflavescentes, areolarum posticarum disci cinereis.

us Lebasii, *Macq. Dipt. Exot.* i. 2, 148, 34; *Suppl.* 1, 93, 53.
mbia.

142. *ASILUS CONSANGUINEUS*.

Fœm. *Niger*; *facies barbaque alba*; *mystax subtus flavus*; *thorax cinereus, vittis nigris*; *abdomen cinereo tomentosum*; *tibiæ testaceæ*; *alæ subhyalinæ apice posticeque cinereæ*.

Asilus consanguineus, Macq. *Dipt. Exot. Suppl.* 1, 93, 54.

Cayenne.

143. *ASILUS GAYI*.

Fœm. *Cinereus*; *antennarum articulo 3us elongatus*; *abdomen vitta dorsali lata nigra, incisuris cinereis*; *pedes nigri, tibiæ rufis apice nigris*; *alæ hyalinæ, apice subfuscæ*.

Asilus Gayi, Macq. *Dipt. Exot.* i. 2, 148, 35. Blanch. Gay, *Hist. Fis. Chile, Zool.* iii. 270, 1, pl. 2, f. 12.

Chili.

144. *ASILUS ANTIPHUS*.

Asilus Antiphus, Cat. of *Diptera*, Pt. 2, 443.

Brazil.

145. *ASILUS HEBES*.

Fœm. *Cinereus*; *caput et pectus cana*; *mystax parvus, setis supra nigris, subtus albidis*; *thorax vittis duabus dorsalibus maculisque sex lateralibus nigricantibus*; *abdominis segmentis maculis quadratis dorsalibus nigris*; *pedes obscure fulvi, femoribus nigris*; *alæ subcinereæ*.

Cinereous. Head and pectus hoary. *Mystax* with black bristles above and with whitish bristles beneath. *Thorax* with two dorsal blackish stripes, and on each side with three blackish spots. Abdominal segments with large subquadrate dorsal blackish spots, which diminish in size towards the base; tip black, shining. Legs reddish tawny; coxæ and femora black; tibiæ indistinctly marked with black. Wings grayish; veins black. Halteres testaceous. Length of the body $5\frac{1}{2}$ —6 lines; of the wings 9—10 lines.

a, b. Santarem, Brazil. From Mr. Bates' collection.

146. *ASILUS BALETUS*.

Asilus Baletus, Cat. of *Diptera*, Pt. 2, 427.

Venezuela.

147. *ASILUS RUFIPALPIS*.

Fœm. Ater; antennæ basi testaceæ; palpi rufi; abdomen cinereo pubescens; pedes castanei; alæ subcinereæ.

Asilus rufipalpis, Macq. Dipt. Exot. i. 2, 146, 29.

Brazil.

148. *ASILUS CTESICLES*.

Asilus Ctesicles, Diptera Saundersiana, Pt. 2, 149.

South America.

149. *ASILUS RUFINUS*.

Mas. et fœm. Rubidus; mystax flavido-albus, setis supra nonnullis nigris; thorax flavidus, fusco vittatus; alæ flavescentes.

Asilus rufinus, Wied. Zool. Mag. iii. 47, 8; Dipt. Exot. i. 189, 12; Auss. Zweifl. i. 441, 25.

Brazil.

150. *ASILUS LEONIDES*.

Asilus Leonides, Diptera Saundersiana, Pt. 2, 150.

Rio Janeiro.

151. *ASILUS CARBONARIUS*.

Mas et fœm. Anthracinus; mystax flavidus, nonnunquam albidus; thorax vittis et abdomen incisuris subcinereis; alæ subflavescentes, apice infumatæ.

Asilus carbonarius, Wied. Auss. Zweifl. i. 454, 44.

Brazil.

152. *ASILUS MACULARIS*.

Mas et fœm. Niger; mystax flavo-albus; thoracis latera helva; abdomen utrinque maculis niveis; alæ flavescentes. Mas.—Tibiæ flavido-fusæ.

Asilus macularis, Wied. Dipt. Exot. i. 193, 19; Auss. Zweifl. i. 447, 33. Macq. Dipt. Exot. i. 2, 147, 32.

Brazil.

153. *ASILUS THERIMACHUS*.

Asilus Therimachus, Diptera Saundersiana, Pt. 2, 137.

Brazil.

154. *ASILUS LONGIUSCULUS*.

Mas. *Cinereus*; *caput subtus et pectus albida, illum antice subauratum*; *mystax pallide flavus*; *thorax vittis tribus latissimis nigricantibus, lateralibus interruptis*; *abdominis dorsum nigricans, marginibus posticis cinereis, apice nigro nitido*; *pedes nigri, tibiis fulvis*; *alæ fuscae*; *halteres nigri*.

Cinereous. Head pale and slightly gilded in front, whitish and clothed with white hairs beneath. Thorax with three very broad blackish stripes; middle one subdivided; lateral pair obliquely interrupted. Abdomen blackish above; hind borders of the segments cinereous. Sexualia black, shining. Legs black; tibiae tawny. Wings brown; veins and halteres black. Length of the body 7 lines; of the wings 10 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

155. *ASILUS CLAVATUS*.

Melleus; *antennæ nigrae, basi fulvae*; *palpi fulvi*; *pedes flavi, femoribus supra nigricantibus*; *alæ flavescentes*. Mas.—*Anus crassus, lamella cornea munitus*.

Asilus clavatus, Macq. *Dipt. Exot.* i. 2, 147, 30.

Brazil.

156. *ASILUS TENUIS*.

Mas. *Albidus*; *mystax albus*; *antennæ nigrae, articulo 3o basi flavescente*; *thorax nigro vittatus*; *abdomen parum nigellum*; *pedes lutei, femoribus supra nigris, posticis fascia apicali nigra*; *alæ limpidæ, apice et margine postico cinereis*.

Asilus tenuis, Wied. *Auss. Zweifl.* i. 448, 35.

Brazil.

157. *ASILUS MELLIPES*.

Mas. *Cinereus*; *mystax flavescens*; *antennæ nigrae*; *thorax nigro vittatus*; *abdomen fuscum, utrinque canescens*; *pedes flavi, tibiis posticis femoribusque nigro vittatis*; *alæ subflavescentes*.

Asilus mellipes, Wied. *Auss. Zweifl.* i. 452, 41.

Brazil.

158. ASILUS MUCIUS.

Asilus Mucius, *Cat. of Diptera*, Pt. 2, 463.
ante Video.

159. ASILUS HILARII.

Ater; *barba alba*; *abdominis incisuræ albidæ*; *pedes molles*,
femoribus tibiisque apice tarsisque nigris; *alæ subflavescentes*.
Asilus Hilarii, *Macq. Dipt. Exot.* i. 2, 147, 31.
zil.

160. ASILUS 6-MACULATUS.

Fœm. *Canus*; *caput subtus albo pilosum*; *mystax setis paucis albidis*; *thorax vittis duabus dorsalibus maculisque sex lateralibus nigricantibus*; *abdomen pubescens*; *pedes fulvi*, *femoribus posterioribus apice nigricantibus*, *tarsis nigricantibus basi fulvis*; *alæ subcinereæ*.

Hoary. Head clothed beneath with white hairs. *Mystax* small, with whitish bristles. Antennæ black. Thorax with two dorsal blackish stripes, and on each side with three blackish spots. Abdomen slightly pubescent; tips black, shining. Legs tawny; hind tibia, and tips of the posterior femora, of the hind tibiæ, and of the anterior tarsi, black. Wings slightly grayish; veins black. Halteres testaceous. Length of the body 5 lines; of the wings 9 lines.

Parantarem, Brazil. From Mr. Bates' collection.

161. ASILUS LUTIPES.

Fœm. *Cinereus*; *mystax albidus*; *antennæ luteæ*; *thorax vittis tribus fuscescentibus*; *abdomen glaucescens*; *pedes lutei*, *femoribus tibiisque posticis apice fuscis*; *alæ sublimpidæ*.

Asilus lutipes, *Wied. Auss. Zweifl.* i. 454, 45.

zil.

162. ASILUS COLOMBIÆ.

Fœm. *Ater*; *antennæ basi*, *pedes*, *abdominisque segmenta 2um et 3um apud margines posticos testaceæ*; *alæ flavidæ*, *apice fuscæ*.

Asilus Colombiæ, *Macq. Dipt. Exot.* i. 2, 148, 33.

ombia.

163. ASILUS CALATINUS.

Asilus Calatinus, *Cat. of Diptera*, Pt. 2, 436.

Brazil.

Canary Isles.

A. Alæ non flavescentes.

- A. *Mystax niger*. - - - - - fuscus, *Macq.*
 B. *Mystax albo-nigroque mixtus*. - - - fuscifemoratus, *Macq.*
 C. *Mystax niger*, subtus parum albus. - - - nigrifemoratus, *Macq.*
 D. *Mystax albus*, supra parum niger. - - - dimidiatus, *Macq.*

B. Alæ subflavescentes. - - - - - Saulcyi, *Macq.*

164. ASILUS FUSCUS.

Mas. *Nigricans*; facies nigra, cinereo micans; barba alba; *mystax niger*; thorax cinereus, nigro vittatus; abdomen nigrum, incisuris albis; pedes nigri, tibiis posticis intus rufo pubescentibus, metatarso testaceo; alæ obscuræ, disco subhyalinæ.

Asilus plebeius, var. ?

Asilus fuscus, *Macq. Hist. des Iles Canaries, de Webb et Berthelot*; *Dipt. Exot.* i. 2, 139, 11.

165. ASILUS FUSCIFEMORATUS.

Mas. *Cinereus*; barba alba; *mystax albo-nigroque mixtus*; thorax fusco vittatus; abdomine nigrum, cinereo micans, incisuris albidis; pedes testacei, femoribus ante nigris; alæ apice subobscuræ.

Asilus fuscifemoratus, *Macq. Hist. des Iles Canaries, de Webb et Berthelot*; *Dipt. Exot.* i. 2, 139, 10.

166. ASILUS NIGRIFEMORATUS.

Cinereus; facies barbaque albicantes; *mystax niger*, subtus parum albus; antennæ nigrae; thorax fusco vittatus; abdomen nigrum micans, incisuris albis; pedes testacei, postici nigri; alæ apice subfuscae.

Asilus nigrifemoratus, *Macq. Hist. Nat. des Iles Canaries, de Webb et Berthelot*; *Dipt. Exot.* i. 2, 138, 9.

Asilus varipes, var. ?

167. ASILUS DIMIDIATUS.

Mas. Cinereus; barba alba; mystax albus, supra parum niger; thorax nigro vittatus; abdomen fusco micans, incisuris albidis; pedes rufi; femoribus apice nigris, tarsis nigris basirufis. Long. 4½ lin.

Asilus dimidiatus, Macq. Hist. des Iles Canaries, de Webb et Berthelot; Dipt. Exot. i. 2, 140, 12.

Asilus striatus, Meig., var.?

168. ASILUS SAULEYI.

Fœm. Ater; mystax abdominis incisuræ albæ; pedes rufi, femoribus nigris; alæ subflavescentes.

Asilus Sauleyi, Macq. Dipt. Exot. i. 2, 150, 39.

St. Lorenzo, Canary Isles.

Africa.

Group LOPHONOTUS.

A. *Mystax niger.*

A. Venæ cubitalis et externo-media 1a non conjunctæ.

a. Corpus æneum, aut subæneum.

a. Alæ subcineræ. - - - - - nigricans, *Wied.*

b. Alæ subflavescentes. - - - - - comatus, *Wied.*

b. Corpus non ænescens. - - - - - pellitus, *Wied.*

B. Venæ cubitalis et externo-media 1a conjunctæ.

heteroneurus, *Macq.*

B. *Mystax albus, nigro varius.*

A. Alæ limpidæ.

a. Abdomen maculis trigonis. - - - - - suillus, *Fabr.*

b. Abdomen vitta nigella. - - - - - molitor, *Wied.*

c. Abdomen unicolor. - - - - - Isse, *Walk.*

B. Alæ subfulvæ. - - - - - Ladon, *Walk.*

C. *Mystax rufus, nigro limbatus.* - - - - - rufus, *Macq.*

D. *Mystax flavus, nigro limbatus.* - - - - - flavibarbis, *Macq.*

E. *Mystax albus, nigro limbatus.*

A. Corpus ænescens.

a. Venæ externo-medie 3a et 4a ad marginem conjunctæ.

incisuralis, *Macq.*

b. Venæ externo-medie 3a et 4a ante marginem conjunctæ.

forcipatus, *Macq.*

B. Corpus non ænescens. - - - - - geniculatus, *Macq.*

2. *Mystax flavus.*

- A. Tibiæ nigrae.
 A. Corpus submetallicum. - - - chalcogaster, *Wied.*
 B. Corpus non metallicum. - - - Abuntius, *Walk.*
 B. Tibiæ rufæ, apicē nigrae.
 A. Alæ flavescētes. - - - tibialis, *Macq.*
 B. Alæ limpidæ. - - - Noas, *Walk.*
 C. Tibiæ tarsique obsoure fulva. - - - Amazones, *Walk.*
 D. Pedes fusi. - - - Phœax, *Walk.*
 G. Mystax flavescēte albus. - - - Aphellas, *Walk.*
 H. Mystax albus.
 A. Femora subtus testacea. - - - albibarbis, *Macq.*
 B. Femora tota nigra.
 a. Abdomen fuscum, fasciis canis. - - - Androclea, *Walk.*
 b. Abdomen non fasciatum. - - - Paron, *Walk.*

Sub-group 1.

Mas. Corpus angustum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus, usque ad antennis ascendens. Proboscis crassa, lanceolata. Thorax subcompressus, carinatus. Abdomen thorace multo longius. Sexualia longa; forceps rectus, utrinque furcatus. Pedes validi, hirti, spinis crassis breviusculis; femora incrassata.

Radial vein as usual. Cubital vein forked at two-thirds of its length; forks nearly straight. First externo-medial vein much curved near its base; second straight; third forming a slightly acute angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Asilus chalcogaster, Wied.

Sub-group 2.

Cubital vein forked at a little before two-thirds of its length; forks nearly straight, diverging. First externo-medial vein curved near the base; second straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth not far from the border. Subanal joining the anal near the border.

Asilus Noas, Walk.; A. Isse, Walk.; A. Amazones, Walk.; A. Aphellas, Walk.

Sub-group 3.

Cubital vein forked at a little beyond two-thirds of its length; forks nearly straight. First and second externo-medial veins

straight; third very slightly curved, forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Abuntius, Walk.

Sub-group 4.

Cubital vein forked at much beyond half its length; forks nearly straight. First and second externo-medial veins nearly straight; third slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal close to the border.

Asilus Paron, Walk.

160. *ASILUS NIGRICANS*.

Fœm. *Æneo-nigellus*; *mystax niger*; *antennæ nigræ*; *thorax nigro cristatus*; *abdomen maculis trapezoidæis æneis*; *tibiæ basi rufescentes*; *alæ subcinereæ*.

Asilus nigricans, Wied. *Dipt. Exot.* i. 195, 23; *Auss. Zweifl.* i. 463, 43.

Cape.

161. *ASILUS COMATUS*.

Fœm. *Ænescens*; *mystax niger*; *antennæ nigræ*; *thorax flavidus, cristatus, vitta lata fusca*; *abdomen flavo-fuscum, vitta e maculis nigro-æneis*; *alæ subflavescentes*.

Asilus comatus, Wied. *Dipt. Exot.* i. 193, 20; *Auss. Zweifl.* i. 449, 37.

Cape.

162. *ASILUS PELLITUS*.

Mas. et fœm. *Niger, cervino hirtus*; *mystax niger*; *antennæ nigræ*; *thoracis crista cervina, vitta nigra*; *abdominis vitta et incisura nigræ*; *alæ limpide, apice subflavescentes*.

Asilus pellitus, Wied.

Cape.

163. *ASILUS HETERONEURUS*.

Mas. *Æneus, cinereo pubescens*; *pedes nigri*; *alæ macula fusca*; *venæ cubitalis et externo-media la conjunctæ*.

Lophonotus heteroneurus, Macq. *Dipt. Exot.* i. 2, 128, 7, pl. 10, f. 4.

Cape.

164. ASILUS SUILLUS.

Fœm. *Nigellus, albido hirtus; mystax albus, setis pluri
nigris; thorax crista nigra; abdomen maculis trigonis; ti
castaneo-fusca; alæ limpidæ.*

Dasypogon suillus, Fabr.

Lophonotus suillus, Macq. Dipt. Exot. i. 2, 126, 3, pl. 10, f. 7.

Cape.

165. ASILUS MOLITOR.

Mas. *Canus; albo pilosus; mystax albus, setis supra nonnu
nigris; antennæ nigrae; thorax fusco villatus; abdomen vi
nigella; tibiæ basi rufescentes; alæ limpidæ.*

Asilus molitor, Wied.

Cape.

166. ASILUS ISSE.

Asilus Isse, Cat. of Diptera, Pt. 2, 449.

South Africa.

167. ASILUS LADON.

Asilus Ladon, Cat. of Diptera, Pt. 2, 412.

South Africa.

168. ASILUS RUFUS.

Mas. *Æneus, rufo hirsutus; mystax rufus nigro limbatu
tibiæ posteriores extus flavæ; alæ flavescentes.*

Lophonotus rufus, Macq. Dipt. Exot. i. 2, 129, 9, pl. 10, f. 6.

Cape.

169. ASILUS FLAVIBARBIS.

Mas. *Ænescens, flavido pubescens; mystax flavus-nigro limbatu
tibiæ basi castaneæ; alæ hyalinæ.*

Lophonotus flavibarbis, Macq. Dipt. Exot. i. 2, 127, 4.

Cape.

170. ASILUS INCISURALIS.

Mas. *Ænescens, albido pubescens; mystax albus, nigro limbatu
abdominis incisuræ albida; forceps brevis; alæ hyalinæ,
venis externo-mediis 3a et 4a ad marginem conjunctis.*

Lophonotus incisuralis, Macq. Dipt. Exot. i. 2, 128, 6.

Cape.

171. *ASILUS FORCIPATUS.*

[as. *Ænescens*, cinereo pubescens; mystax albus, nigro limbat; abdominis incisuræ albida; genua testacea; alæ subhyalinæ, venis externo-mediis 3a et 4a ante marginem conjunctis.

honotus forcipatus, *Macq. Dipt. Exot.* i. 2, 127, 5, pl. 10, f. 5.

e.

172. *ASILUS GENICULATUS.*

œm. *Nigellus*, cinereo pubescens; mystax albidus, nigro limbat; pedes viridi nigri, tibiis basi fulvis; alæ hyalinæ, areolarum marginalium et posticorum discis cinereis.

honotus geniculatus, *Macq. Dipt. Exot.* i. 2, 129, 8.

e.

173. *ASILUS CHALCOGASTER.*

[as. et fœm. *Æneus*; mystax aureo-flavus; antennæ nigra; thorax nigro cristatus; tibiæ basi castaneo-fusca; alæ subflavescentes.

us chalcogaster, *Wied. Zool. Mag.* iii. 35, 50; *Dipt. Exot.* i. 189, 13; *Auss. Zweifl.* i. 442, 26.

type. From Mr. Saunders' collection.

var.? *Ænescens*, cinereo pubescens; mystax aurantiacus; abdominis forceps elongatus; alæ flavescentes.

honotus auribarbis, *Macq. Dipt. Exot.* i. 2, 126, 1, pl. 10, f. 3.

ie.

174. *ASILUS ABUNTIVUS.*

us Abuntius, *Cat. of Diptera*, Pt. 2, 447.

th Africa.

175. *ASILUS TIBIALIS.*

œm. *Viridi-niger*; flavo pilosus; pedes nigri, tibiis rufis apice nigris; alæ flavescentes, areola 4a postica obliqua.

honotus tibialis, *Macq. Dipt. Exot.* i. 2, 126, 2.

ie.

176. *ASILUS* NOAS.

Asilus Noas, *Cat. of Diptera*, Pt. 2, 448.
South Africa.

177. *ASILUS* AMAZENES.

Asilus Amazenes, *Cat. of Diptera*, Pt. 2, 447.
South Africa.

178. *ASILUS* PHŒAX.

Asilus Phœax, *Cat. of Diptera*, Pt. 2, 412.
South Africa.

179. *ASILUS* APHELLAS.

Asilus Aphellas, *Cat. of Diptera*, Pt. 2, 447.
South Africa.

180. *ASILUS* ALBIBARBIS.

Fœm. *Niger*; *barba mystaxque alba*; *pedes testacei, femoribus supra nigris*; *alæ subhyalinæ*.

Lophonotus albibarbis, *Macq. Dipt. Exot. Suppl.* 1, 87, 12.
Cape.

181. *ASILUS* ANDROCLEA.

Asilus Androclea, *Cat. of Diptera*, Pt. 2, 411.
South Africa.

182. *ASILUS* PARON.

Asilus Paron, *Cat. of Diptera*, Pt. 2, 450.
South Africa.

A. *Mystax ferrugineo-nigroque varius*. - - Schedius, *Walk.*

B. *Mystax albo-nigroque varius*.

A. *Pedes nigri*.

a. *Tibiæ basi testacæ*. - - - fusco-cinereus, *Macq.*

b. *Tibiæ posticæ rufæ*. - - - periscelis, *Macq.*

c. *Tibiæ subtestacæ*. - - - incisuralis, *Macq.*

B. *Pedes fulvi, extus fusco-castanei*. - *Ægyptius*, *Macq.*

C. *Mystax niger, subtus flavus*.

A. *Alæ hyalinæ*. - - - forficula, *Macq.*

- B. Alæ flavescentes, apice fuscantes.* - *nigribarbis, Macq.*
D. Mystax rufus. - - - - *hirtipes, Macq.*
E. Mystax flavus aut flavescens.
A. Pedes nigro-ænei, tibiis testaceis. - *flavo-pilosus, Macq.*
B. Pedes badii. - - - - *brunnipes, Fabr.*
C. Pedes ferruginei, femoribus nigro vittatus. *Scaurus, Walk.*
D. Pedes fulvi. - - - - *dubius, Macq.*
F. Mystax albus aut albidus.
A. Alæ macula apicali fusca. - - - *acrobaptus, Wied.*
B. Alæ non maculatæ.
A. Abdomen fusco maculatum. - - - *dorsiger, Wied.*
B. Abdomen non maculatum.
a. Corpus flavidum. - - - *Osiris, Wied.*
b. Corpus cinereum aut albidum.
E. Pedes ex parte pallidi.
i. Femora et tibiæ apice nigra. - *bipartitus, Macq.*
ii. Femora nigro vittata. - - - *femoralis, Wied.*
F. Pedes cinerei. - - - - *Alastor, Walk.*
G. Mystax ———? - - - - *Tangeri, Boisd.*

Group 1.

Corpus magnum. Caput densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o longior; 3us lanceolatus, 1o et 2o conjunctim æqualis; arista valida, 3o multo brevior. Thorax et abdominis incisuræ setis lateralibus albis. Abdomen subcylindricum, thorace duplo longius. Pedes validi, hirti, albo spinosi. Mas.—Abdomen sublineare. Sexualia parva, hirta. Fæm.—Abdomen oblanceolatum, apice compresso lævi nitido.

Cubital vein forked at very much beyond half its length; fore fork almost straight; hind fork slightly undulating. First and second externo-medial veins straight, excepting a very obtuse angle near the base of the first; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Scaurus, Walk.

Group 2.

Mas. Corpus mediocre, fere nudum. Caput subtus pilosum. Facies fere plana. Mystax parce setosus. Proboscis sublinearis. Antennarum articulus 1us 2o multo longior; 3us lanceolatus, 1o vix longior; arista sat valida, 3o vix brevior. Thorax setis paucis

lateralibus et posticis. Abdomen gracile, suboblanceolatum, thorace duplo longius, incisuris utrinque parce setosis. Sexualia minima. Pedes validi, spinosi, parce hirti.

Wings ribbed transversely, and slightly dilated in front along the stigma. Cubital vein forked at a little before two-thirds of its length; fore fork slightly undulating; hind fork nearly straight. Externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal near the border. Discal areolet very narrow, except at each end, on account of the curve of the præbrachial hind fork.

Asilus dubius, Macq.

Group 3.

Fam. Corpus gracile, fere nudum. Caput subtus pilosum. Facies plana. Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o vix brevior; arista 3o paullo longior. Thoracis latera setis paucis. Abdomen longi-oblanceolatum, thorace triplo longius. Pedes graciles, breviusculi, parum spinosi.

Radial vein curved at its tip. Cubital forked at before half its length; fore fork forming at its base a slightly obtuse angle, which emits a branch, hardly curved from thence to its tip; hind fork curved towards the first externo-medial, and joining it close to the border. First and second externo-medial veins nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus femoralis, Wied.

Group 4.

Mas. Corpus longiusculum, fere nudum. Caput ademptum. Thoracis latera et abdomen setis paucis. Abdomen vix oblanceolatum, apice fasciculatum, thorace plus duplo longius. Sexualia parva. Pedes graciles, setosi, vix hirti.

This differs much from the other groups of *Asilus*, and may possibly belong to another genus.

Radial vein joining the subcostal very far from the tip of the latter. Cubital forked at about two-thirds of its length; fore fork nearly straight, joining the subcostal very near the tip of the latter;

hind fork and first externo-medial vein slightly curved forward, and parallel to each other; second externo-medial nearly straight; third forming a slightly acute angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Asilus Alastor, Walk.

183. *ASILUS SCHEDIUS*.

Asilus Schedius, *Cat. of Diptera*, Pt. 2, 430.

South Africa.

184. *ASILUS FUSCO-CINEREUS*.

Mas. *Fusco-cinereus*; abdomen micans, linea dorsali nigra, incisuris cinereis; pedes nigri, tibiis basi testaceis; alæ flavescens, apice subfusca.

Asilus fusco-cinereus, Macq. *Dipt. Exot.* i. 2, 137, 7; *Explor. Scient. Alg.* iii. *Ins.* 440, 73.

Algiers.

185. *ASILUS PERISCCELIS*.

Cinereo-flavescens; mystax nigro-alboque varius; barba alba; thorax vittis nigris; abdomen nigrum, cinereo tomentosum; pedes nigri, tibiis posticis rufis; alæ limpida, apice cinerea; halteres flavi.

Asilus periscelis, Macq. *Expl. Scient. Alg.* iii. *Ins.* 442, 79, pl. 3, f. 3.

Algeria.

186. *ASILUS INCISURALIS*.

Mas. *Ater*; thorax cinereus, nigro vittatus; abdomen basi incisurisque albidis; tibiæ subtestaceæ; alæ fuscana, dilatata.

Asilus incisuralis, Macq. *Dipt. Exot.* i. 2, 140, 13.

Cape.

187. *ASILUS ÆGYPTIUS*.

Mas. *Ater*; abdominis incisura albidæ; anus fulvus; pedes fulvi, extus fusco-castanei; alæ hyalinæ, apice subcinereæ.

Asilus Ægyptius, Macq. *Dipt. Exot.* i. 2, 137, 5.

Egypt.

188. *ASILUS FORFICULA*.

Niger; mystax subtus flavus; antennæ basi testaceæ; thorax cinereus, vittis nigris; abdomen cinereo tomentosum; pedes fulvi; alæ hyalinæ.

Asilus forficula, Macq. Dipt. Exot. Suppl. 1, 90, 45, pl. 8, f. 16.

Caffraria.

189. *ASILUS NIGRIBARBIS*.

Fœm. Flavo tomentosus; mystax niger, setis nonnullis inferioribus flavescentibus; thorax nigro-fusco vittatus, margine postico scutelloque albo pilosis; abdomen nigro-cinereum, maculis dorsalibus violaceo nigris; pedes fulvi, hirsuti, femoribus nigro-æneis; alæ flavescentes, apice fuscæ.

Asilus nigribarbis, Macq. Dipt. Exot. Suppl. 1, 88, 43.

Caffraria.

190. *ASILUS HIRTIPES*.

Niger; mystax barbaque rufa; abdomen vitta dorsali flava ornatum; pedes hirti, tibiis testaceis apice nigris, tarsis basi testaceis; alæ subrufescentes, venarum discis fuscis; halteres fulvi.

Asilus hirtipes, Macq. Expl. Scient. Alg. iii. Ins. 440, 72, pl. 2, f. 9.

Algeria.

191. *ASILUS FLAVO-PILOSUS*.

Flavidus; mystax barbaque flava; thorax vittis nigris; abdomen nigrum; pedes nigro-ænei, tibiis testaceis; alæ limpide, areolarum posticarum discis subcinereis.

Asilus flavo-pilosus, Macq. Expl. Scient. Alg. iii. Ins. 441, 75.

Algeria.

192. *ASILUS BRUNNIPES*.

Fœm. Flavo virens; mystax flavescens; antennæ flavo-cinereæ, apice nigre; abdominis incisuræ gilvæ; pedes badii; alæ limpide, apice subcinereæ, costa subflavescentes.

Asilus brunnipes, Fabr. Ent. Syst. iv. 384, 35. Coqueb. Ill. Icon. 114, pl. 25, f. 24. Wied. Auss. Zweifl. i. 428, 6.

Barbary.

193. *ASILUS SCAURUS*.*Asilus Scaurus*, *Cat. of Diptera*, Pt. 2, 464.

Tripoli.

194. *ASILUS DUBIUS*.

Flavidus; *mystax flavus*; *antennæ nigræ*, *basi testaceæ*; *thorax vittis nigris*; *abdomen maris cinereum*, *fœm. vitta dorsali nigra*; *pedes fulvi*; *alæ maris rufescentes dilatatæ*, *fœm. hyalinæ*.

Asilus dubius, *Macq. Dipt. Exot. Suppl.* 1, 89, 44, pl. 8, f. 15.Connects *Asilus* with *Erax*.

South Africa.

Var. ? *Mas. Cinereus*; *caput subtus albo pilosum*; *mystax albedo testaceus*; *thorax vitta dorsali interlineata duabusque lateralibus interruptis nigro-fuscis*; *abdomen vitta dorsali interrupta nigra-fusca*; *pedes fulvi*, *femoribus extus tarsisque nigris*; *alæ sublimpidæ*, *antice et apud venas subfuscescentes*.

Male. Cinereous. Head whitish, and with whitish hairs behind and beneath. *Mystax* with whitish testaceous bristles. *Antennæ* black. *Thorax* with three blackish brown stripes; the middle one divided; the lateral pair interrupted. *Abdomen* with an interrupted dorsal brown-bordered black stripe; tip clothed beneath with yellowish hairs. *Legs* tawny; *femora* on the outer side and *tarsi* black. *Wings* slightly brownish, nearly tipped at the base and along most of the hind border; veins black, ferruginous at the base. *Halteres* pale yellow. Length of the body 7 lines; of the wings 11 lines.

♂. Port Natal. From M. Gueinzus' collection.

195. *ASILUS ACROBAPTUS*.

Mas. Canescens; *mystax albus*; *antennæ nigræ*; *thorax vittatus*; *abdomen nigrum*, *marginibus fasciisque canis*; *tibiæ rufescentes*; *alæ subflavescentes*, *macula apicali fusca*.

Asilus acrobaptus, *Wied. Auss. Zweifl.* i. 449, 36.

Cape.

196. *ASILUS DORSIGER.*

Fœm. *Canescens* ; *mystax albus* ; *antennæ nigræ* ; *thorax v. t. ; abdomen e maculis subrhomboidalibus fuscis vitta incisuris albis* ; *pedes rufescentes, femoribus supra nigris* ; *limpidæ, venis flavido marginatis.*

Asilus dorsiger, Wied. *Auss. Zweifl.* i. 436.

Egypt.

197. *ASILUS OSIRIS.*

Fœm. *Flavidus* ; *mystax albus* ; *antennæ nigræ* ; *thorax media latissima distinctissima nigella* ; *abdominis incerto situ albidæ* ; *pedes nigelli, tibiis basi rubidis* ; *alæ pidæ, apice fusco-cinereæ.*

Asilus osiris, Wied. *Auss. Zweifl.* i. 452, 42.

Egypt.

198. *ASILUS BIPARTITUS.*

Albidus ; *mystax barbaque albida* ; *thorax vittis nigris* ; *ab. cinereo-fuscanum* ; *femora tibiaque antice nigra, postitaceæ* ; *alæ sublimpidæ, apice cinereæ* ; *halteres testacei.*

Asilus bipartitus, Macq. *Expl. Scient. Alg.* iii. *Ins.* 442, 78, f. 2.

Algeria.

199. *ASILUS FEMORALIS.*

Cinereus ; *antennæ rufescentes* ; *thorax vitta et utrinque fuscis* ; *pedes rufescentes, femoribus nigro vittatis* ; *alæ pidæ.*

Asilus femoralis, Wied.

Egypt.

200. *ASILUS ALASTOR.*

Asilus Alastor, Cat. of *Diptera*, Pt. 2, 444.

South Africa.

201. *ASILUS TANGERI.*

Ferrugineus ; *thorax vitta dorsali striisque lateraliibus nigris fusciscentes.*

Asilus Tangeri, Boisd. *Voy. de l'Astrolabe, Atlas Ent.* pl. 12,

Algeria.

Mauritius.

Group LOPHONOTUS.

202. ASILUS BREONII.

Mas. *Nigellus*, cinereo pubescens; mystax albidus; abdominis incisuræ albida; alæ flavescentes.

Lophonotus Breonii, Macq. Dipt. Exot. i. 2, 129, 10.

Mauritius.

Asia, Arabia.

203. ASILUS ARABICUS.

Cinereus; antennæ nigrae, basi rufæ; pedes rufi; alæ subflavescentes, apice cinerea.

Asilus Arabicus, Macq. Dipt. Exot. i. 2, 136, 4.

Arabia.

Persia.

204. ASILUS LONGITARSIS.

Fœm. Albidus; scutellum cinereum; abdomen rufum; pedes nigri, gracilis; alæ hyalinæ.

Asilus longitarsis, Macq. Dipt. Exot. i. 2, 140, 14.

Persia.

205. ASILUS LUCIDUS.

Orichalceo micans; mystax flavescent, setis supra nonnullis nigris; thorax fusco trivittatus; pedes picei, tibiis basi badiis; alæ vix flavescentes.

Asilus lucidus, Wied. Zool. Mag. ii. 30; Dipt. Exot. i. 184, 3; Auss. Zweifl. i. 429, 7.

Persia.

206. ASILUS PALLENS.

Mas. Cinereus; mystax flavescent; antennæ nigrae; basi flavescentes; thorax vitta gemina fusco utrinque in nodum dilatata; abdomen flavescent; pedes helvoli; alæ limpidæ, apice subcinerea.

Asilus pallens, Pallas; Wied. Zool. Mag. ii. 2; Dipt. Exot. i. 194, 21; Auss. Zweifl. i. 451, 39.

Deserts to the South of the Caspian Sea.

East Indies, Java, Sumatra, China.

- A. *Mystax niger*.
 A. Pedes rufi. - - - - - opulentus, *Walk*.
 B. Pedes nigri. - - - - - atratulus, *Walk*.
 B. *Mystax niger*, fulvo aut flavo varius. - - - clavipes, *Macq*.
 C. *Mystax albidus*, nigro varius. - - - appendiculatus, *Macq*.
 D. *Mystax aureus*, flavus, aut flavido-albus.
 A. Alæ flavæ aut subflavæ, apice obscuriores.
 a. Femora nigra. - - - - - flavescens, *Fabr*.
 B. Femora nigro vittata. - - - - - Philus, *Walk*.
 c. Femora pallida.
 a. Abdomen atrum, fulvo fasciatum. - - - longistylus, *Wied*.
 b. Abdomen fuscum, incisuris flavidis. - - - Bengalensis, *Macq*.
 Abdomen fulvum, apice fuscum. - - - nudipes, *Macq*.
 B. Alæ flavescens. - - - - - Chinensis, *Fabr*.
 C. Alæ limpidæ, venis flavo-fuscolimbatis. - - - penultimus, *Walk*.
 D. Alæ limpidæ, vix flavescens. - - - xanthopus, *Wied*.
 E. Alæ limpidæ aut sublimpidæ.
 A. Femora nigra. - - - - - bifidus, *Fabr*.
 B. Femora nigra, ferrugineo varia. - - - Congedus, *Walk*.
 c. Femora flava.
 a. Antennæ nigræ. - - - - - griseus, *Wied*.
 b. Antennæ rufæ, apice nigræ. - - - Duvaucelii, *Macq*.
 E. *Mystax cinereus*. - - - - - pusio, *Wied*.
 F. *Mystax cinereo-albidus*. - - - - - annulatus, *Fabr*.
 G. *Mystax albus*, aut albidus.
 A. Antennæ nigræ.
 A. Alæ subflavescens. - - - - - agilis, *Wied*.
 B. Alæ hyalinæ.
 a. Thorax vitta fusca. - - - - - lætus, *Wied*.
 b. Thorax non vittatus. - - - - - trifarius, *Macq*.
 B. Antennæ fulvæ, aut flavæ.
 A. Alæ subfulvæ. - - - - - Iamenus, *Walk*.
 B. Alæ hyalinæ.
 a. Thorax cinereus. - - - - - flavicornis, *Macq*.
 b. Thorax fuscus, lateribus fulvis, aut canis.
 i. Femora nigro vittata. - - - - - paterculus, *Walk*.
 ii. Femora non vittata. - - - - - præfiniens, *Walk*.
 c. Thorax fuscus, vittis quinque fulvis. - - - Barium, *Walk*.

Group 1.

Fœm. Corpus parvum, gracile. Caput subtus parce pilosum. Facies parum convexa. Mystax dense setosus, ad antennis fere cendens. Proboscis lanceolata. Antennarum articulus 1us 2o iplo longior; 3us lanceolatus, 1o non longior; arista 3o vix longior. Abdomen oblanceolatum, thorace duplo longius, alas non superans, apicem versus compressum et substylatum. Pedes validi, inosi, parce hirti; antici longissime spinosi.

Cubital vein very long, forked at much before half its length; fore fork nearly straight; hind fork slightly undulating. Externomedial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

silus atratulus, Walk.

Group 2.

Fœm. Corpus latum, dense hirtum. Caput subtus pilosum. Facies subconvexa. Mystax sat dense setosus. Proboscis crassa, lanceolata. Abdominis dimidium basale obconicum, thorace non longius; dimidium apicale stylatum. Pedes crassi, spinosi, parce hirti.

Radial vein straight, curved at its tip, joining the subcostal at some distance from the tip of the latter. Fore fork of the cubital vein hardly undulating; hind fork rather deeply undulating. First intermedial curved near the base; second almost straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal at some distance from the border.

silus Philus, Walk.

Group 3.

Corpus mediocre aut majusculum, fere nudum. Caput subtus parce pilosum. Facies subconvexa. Mystax parce setosus. Proboscis gracilis, lanceolata. Antennarum articulus 1us 2o plus iplo longior; 3us lanceolatus, 1o multo brevior; arista 3o duplo longior. Thoracis abdominisque latera parce setosa. Thorax abdomine duplo latius. Abdomen oblanceolatum, thorace fere iplo longius, alas superans. Pedes robusti, spinosi, parce hirti. Venæ dilatatæ; venæ costalis et subcostalis conjunctæ. *Mas.*—

Sexualia parva; forceps gracilis, subarcuatus. *Fœm.* — Abdomen apice acuminatum non compressum.

Wings dilated and ribbed transversely in front beyond the middle; costal and subcostal veins united. Radial vein undulating, incrassated before the middle. Cubital vein incrassated from the base to the fork, forked at rather beyond half its length; forks slightly undulating; hind fork joined by an incrassated veinlet with the fore fork of the præbrachial; hind fork of the præbrachial much curved, whereby the middle of the discal areolet is much straightened. First and second externo-medial veins straight; third curved, forming a very obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus flavicornis, Macq.; *A. Barium*, Walk.; *A. Iamenus*, Walk.

207. *ASILUS OPULENTUS*.

Asilus opulentus, *Diptera Saundersiana*, Pt. 2, 150.

East Indies.

208. *ASILUS ATRATULUS*.

Fœm. *Niger, cinereo tomentosus*; caput antice albidum, subtus albo pilosum; thorax nigro trivittatus; alæ cinereæ, apud baseos sublimpidæ.

Fem. Black, with cinereous tomentum. Head whitish in front, with white hairs beneath. Mystax black, with very long bristles. Thorax with three indistinct blackish stripes. Abdomen black and shining towards the tip. Legs black, with short hairs and long slender spines. Wings gray, nearly limpid at the base and in the basal half of the disk. Halteres whitish yellow. Length of the body 5 lines; of the wings 8 lines.

a. Java. From the East India Company's collection.

209. *ASILUS CLAVIPES*.

Fœm. *Ater, cinereo pubescens*; antennæ basi testaceæ; pedes flavi; alæ hyalinæ, apice subcinereæ.

Asilus clavipes, Macq. *Dipt. Exot.* i. 2, 142, 19.

Allied to *Asilus pusio*, Wied.

Java.

210. *ASILUS APPENDICULATUS*.

Mas. Ater, cinereo pubescens; mystax albidus, nigro varius; anus appendice filiformi munitus; tibiæ posticæ testaceæ; alæ hyalinæ.

Asilus appendiculatus, Macq. Dipt. Exot. Suppl. 3, 29, 63, pl. 2, f. 3.

Java.

211. *ASILUS FLAVESCENS*.

Mas. Flavidus; mystax flavescens; antennæ nigrae, basi rufescentes; thorax vittis olivaceo-fuscis; abdomen fuscum, fulvo pilosum; pedes nigri, tibiis rubidis; alæ flavescens, apice cinereæ.

Dasypogon flavescens, Fabr. Syst. Antl. 169, 26.

Asilus flavescens, Wied. Auss. Zweifl. i. 437, 20.

Java. Sumatra.

212. *ASILUS PHILUS*.

Asilus Philus, Cat. of Diptera, Pt. 2, 393.

Silhet.

213. *ASILUS LONGISTYLUS*.

Fulvus; mystax aureus; antennæ nigrae; thorax vittis nigellis; abdomen atrum, fulvo fasciatum; pedes rubidi, femoribus basi genubus tarsisque nigris; alæ flavidæ, apice cinereæ.

Asilus longistylus, Wied. Auss. Zweifl. i. 433, 13.

Java.

214. *ASILUS BENGALENSIS*.

Rufescens; antennæ flavæ; mystax barbaque flavescens; abdomen fuscum, incisuris flavidis, fœm. apice attenuatum; pedes rufi, fœm. femoribus posterioribus apice nigricantibus; alæ flavidæ, apice fusca.

Asilus Bengalensis, Macq. Dipt. Exot. i. 2, 141, 16, pl. 12, f. 2.

Bengal.

215. *ASILUS NUDIPES*.

Fœm. Facies et mystax aurea; thoracis dorsum nigrum lineis albidis; abdomen fulvum, apice fuscum; pedes fulvi, subnudi; alæ flavæ, apice fuscæ.

Asilus nudipes, Macq. *Dipt. Exot. Suppl.* 2, 42, 56.

East Indies.

216. *ASILUS CHINENSIS*.

Flavidus ; *mystax flavescens* ; *antennæ ferruginæ* ; *thorax fuscovittatus* ; *abdomen vitta media obsoleta fusca* ; *pedes ferruginei* ; *alæ flavescens*.

Asilus Chinensis, Fabr. *Ent. Syst.* iv. 388, 34. *Wied. Dipt. Exot.* i. 185, 6 ; *Auss. Zweifl.* 434, 14.

China.

217. *ASILUS PENULTIMUS*.

Asilus penultimus, *Diptera Saundersiana*, Pt. 2, 134.

East Indies.

218. *ASILUS XANTHOPUS*.

Mas et fœm. *Flavidus* ; *mystax albo-flavescens* ; *antennæ flavæ apice nigræ* ; *thorax fulvus, vix vittatus* ; *abdomen incisum flavis* ; *pedes mellei, femoribus posticis apicè nigro-fuscis* ; *alæ limpidae, vix flavescens*.

Asilus xanthopus, *Wied. Zool. Mag.* iii. 5, 6 ; *Dipt. Exot.* i. 186, *Auss. Zweifl.* i. 436, 18.

Java.

219. *ASILUS BIFIDUS*.

Fœm. *Canus* ; *mystax flavescens* ; *thorax nigro vittatus* ; *abdomen nigrum, argenteo fasciatum* ; *pedes nigri, tibiis testaceis* ; *alæ sublimpidæ*.

Dasypogon bifidus, Fabr. *Syst. Antl.* 170, 30.

Asilus bifidus, *Wied. Dipt. Exot.* i. 190, 14 ; *Auss. Zweifl.* i. 429.

Tranquebar.

220. *ASILUS CONGEDUS*.

Asilus Congedus, *Diptera Saundersiana*, Pt. 2, 138.

East Indies.

221. *ASILUS* *GRISEUS*.

Fœm. *Cinereus*; *mystax flavescens*; *antennæ nigrae*; *thorax vitta latissima fusca*; *abdomen cinereo-fuscum*; *pedes saturate flavi*, *femoribus tibiis tarsisque apice nigris*; *alæ limpidæ*.

Asilus griseus, *Wied. Dipt. Exot. i. 192, 17*; *Auss. Zweifl. i. 442, 27*.

Java.

222. *ASILUS* *DUVAUCELII*.

Mas. *Cinereus*; *antennæ rufæ*, *apice nigrae*; *thorax nigro vittatus*; *abdomen trifariam nigro maculatum*; *pedes flavis*, *femoribus et tibiis apice tarsisque nigris*; *alæ hyalinæ, subdilatatae*.

Asilus Duvaucelii, *Macq. Dipt. Exot. i. 2, 141, 15, pl. 12, f. 1*.

Bengal.

223. *ASILUS* *PUSIO*.

Cinereus; *thorax lineis transversis albidis*; *pedes flavido-testacei*; *alæ hyalinæ, margine postico subobscuris*.

Asilus pusio, *Wied. Zool. Mag. iii. 36, 52*; *Dipt. Exot. i. 195, 25*; *Auss. Zweifl. i. 455, 47*. *Macq. Dipt. Exot. i. 2, 143, 20*.

Java.

224. *ASILUS* *ANNULATUS*.

Mas. et fœm. *Cinereus*; *mystax cinereo-albidus*; *antennæ flavæ*, *apice fusca*; *thorax vitta fusca*; *abdomen fusco trivittatum*; *pedes flavi*; *alæ limpidæ, apice cinereæ*.

Asilus annulatus, *Fabr. Syst. Ent. 794, 15*; *Ent. Syst. iv. 384, 37*.

Wied. Dipt. Exot. i. 205, 42; *Auss. Zweifl. i. 434, 15*.

Dasygogon annulatus, *Fabr. Syst. Anil. 171, 32*.

East Indies.

225. *ASILUS* *AGILIS*.

Mas. *Cinereus*; *mystax albus*; *antennæ nigrae*; *thorax nigro vittatus*; *abdomen nigrum, flavido fasciatum*; *pedes nigri*; *alæ subflavescentes, apice subcinereæ*.

Asilus agilis, *Wied. Auss. Zweifl. i. 456, 48*.

Java.

Fem. Head narrower, and thorax much more slender than that of the male. Abdomen brown; base and hind borders of the segments pale tawny; apical third part stylate, blackish. Wings not dilated in front; their veins not incrassated.

a, b. Sumatra. From Sir Stamford Raffles' collection.

Australia.

A. *Mystax niger.*

A. Tibiæ nigrae, basi ferrugineae. - - villicatus, *Walk.*

B. Tibiæ fulvæ. - - - - - obumbratus, *Walk.*

B. *Mystax niger, fulvo-flavo aut flavido-albo varius.*

A. Pedes nigri. - - - - - laticornis, *Macq.*

B. Pedes nigri; tibiæ dimidio basali fulvo. - Pelago, *Walk.*

C. Femora nigra. - - - - - exilis, *Macq.*

D. Femora fulvo-nigra; tibiæ triente apicali nigro.

E. Femora cinerea. - - - - - Maricus, *Walk.*

F. Femora castanea. - - - - - Cædicius, *Walk.*

G. Femora rufa, flava, aut testacea. - - - - - rubrithorax, *Macq.*

A. Alæ fuscæ, aut subfulvæ.

a. Femora apice nigra.

i. Abdomen testaceum. - - - Tasmaniae, *Macq.*

ii. Abdomen rufum, apice nigrum. - giganteus, *Macq.*

b. Femora non apice nigra.

i. Alæ subfuscescentes. - - - nigratarsis, *Macq.*

ii. Alæ flavo-fuscescentes.

* Abdomen fulvum. - - - grandis, *Macq.*

** Abdomen fuscum. - - - Malleolus, *Walk.*

iii. Alæ subfulvæ. - - - Alcetus, *Walk.*

b. Alæ subflavescentes, apice subcinereæ. - murinus, *Macq.*

c. Alæ subcinereæ, venis fulvo limbatis. - discutiens, *Walk.*

C. *Mystax niger, albo varius.*

A. Femora nigra.

A. Tibiæ posticæ nigrae. - - - australis, *Macq.*

B. Tibiæ posticæ pallidæ.

a. Tarsi postici testacei. - - - acutangulatus, *Macq.*

b. Tarsi postici nigri.

i. Alæ subflavescentes. - - - armatus, *Macq.*

ii. Alæ limpidæ. - - - Antilco, *Walk.*

iii. Alæ limpidæ, apice subfuscæ. - Margitis, *Walk.*

iv. Alæ subcinereæ aut cinereæ.

* Tarsi toti nigri.

† Abdomen tessellatum. - - - rudis, *Walk.*

†† Abdomen non tessellatum. - - - luctiferus, *Walk.*

- ** Tarsi basi rufi. - - - - Sicitus, *Walk.*
 v. Alæ cineræ, apice subfuscescentes. fraternus, *Macq.*
 B. Pedes ferruginei. - - - - Trachalus, *Walk.*
 C. Femora rufa. - - - - Blasio, *Walk.*
 D. Pedes rufi. - - - - inglorius, *Maclean.*
 E. Pedes testacei; femora nigro vittata. - Alicis, *Walk.*
 D. *Mystax flavus* aut albo-flavus.
 A. Pedes nigricantes. - - - - mutilatus, *Walk.*
 B. Femora castanea.
 a. Thorax nigro vittatus. - - - - Sydneensis, *Macq.*
 b. Thorax fusco vittatus. - - - - Hyagnis, *Walk.*
 C. Femora rufa aut testacea.
 a. Thorax nigro vittatus.
 a. Thorax castaneus. - - - - rufiventris, *Macq.*
 b. Thorax albidus. - - - - Jacksonii, *Macq.*
 c. Thorax disco nigricante - - - - alligans, *Walk.*
 b. Thorax fusco vittatus.
 a. Abdomen nigrum, aurato fasciatum. caudatus, *Fabr.*
 b. Abdomen flavo-fuscum, apice nigrum. Centho, *Walk.*
 c. Thorax nigro cinereus, vittis tribus rubidis. plicatus, *Leach.*
 E. *Mystax albus* aut albidus.
 A. Femora nigro vittata. - - - - vittipes, *Macq.*
 B. Femora non vittata.
 a. Thorax nigro vittatus. - - - - filiferus, *Macq.*
 b. Thorax fusco vittatus. - - - - planus, *Walk.*
 c. Thorax non vittatus. - - - - Amycla, *Walk.*

Group 1.

Fæm. Corpus parvum, gracile, hirtum. Caput subtus dense pilosum. Facies subconvexa. *Mystax* mediocris, dense setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o non longior. Thoracis latera setosa. Abdomen sublineare, thorace plus duplo longius, apice nitens compressum, alas paullo superans. Pedes gracillimi, parce spinosi, vix hirti.

Radial as usual. Subcostal vein forked at much beyond half the length; forks nearly straight. First, second and third external veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal on the border.

Asilus villicatus, *Walk.*

Group 2.

Corpus magnum, parce hirtum. Caput subtus dense pilosum. Facies vix convexa. Mystax sat dense setosus. Proboscis brevis, apice lanceolata. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o æqualis; arista 2o duplo longior. Thorax trilineatus et postice setosus. Abdomen depressum, alas non superans, thorax vix duplo longius. Pedes validi, spinosi, parce hirti. Mas.—Abdomen lineare. Sexualia parva, arcuata. Fem.—Abdomen oblancoelatum, apice subcompressum.

Cubital vein forked at very much beyond half its length; forks slightly curved. First externo-medial much curved near the base; second straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal very far from the border.

silus Pelago, Walk.

Group 3.

Mas.—Corpus longiusculum, hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax sat dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us 1o paullo brevior; arista 3o vix brevior. Thoracis latera et scutellum parce setosa. Abdomen sublineare, thorace plus duplo longius, alas longe superans. Sexualia parva. Pedes robusti, spinosi, hirti. Alæ breviusculæ.

Radial as usual. Cubital vein forked at very much beyond half its length; forks nearly straight. First and second externo-medial veins nearly straight; third curved, forming a slightly obtuse angle with the præbrachial, joining the fourth close to the border. Subanal joining the anal close to the border.

silus Blasio, Walk.

Group 4.

Corpus magnum, aut mediocre. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o æqualis; arista 3o paullo brevior. Thorax pubescens; latera et scutellum parce setosa. Abdomen longi-oblancoelatum. Pedes robusti, spinosi, parce hirti. Mas.—Abdomen alas paullo superans. Sexualia parva; forceps brevissimus. Alæ apud costam dilatatae. Fem.—Abdomen alas non superans, apice obtusum, non compressum nec attenuatum.

Cubital vein forked at very much beyond half its length; forks slightly undulating. First externo-medial vein much curved near its base; second straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Sydneensis, Macq. A. Alcetus, Walk.

Group 5.

Mas. Corpus parvum. Caput subtus pilosum. Facies convexa. Mystax magnus, densus, ad antennis ascendens. Proboscis brevis, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o multo longior; arista valida, 3o multo brevior. Thoracis dorsum densissime hirtum. Abdomen sublineare, thorace vix duplo longius, alas non superans. Sexualia parva. Pedes validi, spinosi; antici hirti.

Radial vein slightly undulating towards the tip. Cubital forked at much beyond half its length; forks hardly undulating. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal near the border.

Asilus rudis, Walk.

Group 6.

Corpus magnum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o longior; 3us longi-lanceolatus, 1o multo longior; arista 3o æqualis. Thoracis latera et scutellum setosa. Abdomen oblanceolatum, pilosum, apicem versus fere nudum, thorace fere duplo longius, alas non superans. Sexualia parva; forceps crassus, arcuatus. Pedes robusti, hirti, spinosi.

Radial vein joining the subcostal at far from the tip of the latter. Cubital forked at very much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First externo-medial vein much curved at its base; second nearly straight; third much curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Asilus Malleolus, Walk.

Group 7.

Mas. Corpus parvum, gracile, longiusculum, fere nudum. Caput subtus pilosum. Facies fere plana. Mystax parce setosus.

roboscis gracilis, sublanceolata. Thoracis et abdominis latera setis paucis. Abdomen sublineare, thorace fere triplo longius. Sexualia parva; forceps analis, latus, arcuatus. Pedes validi, spinosi, fere nudi; femora subincrassata.

Radial vein curved at its tip. Cubital vein forked at very much beyond half its length; fore fork almost straight; hind fork slightly undulating. First and second externo-medial veins nearly straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth close to the border. Subanal joining the anal on the border.

silus Jacksonii, *Macq.*

Group 8.

Mas. Corpus majusculum, fere nudum. Caput subtus dense pilosum. Facies subconvexa. Mystax sat dense setosus, antennarum articulus 1us non attingens. Proboscis lanceolata. Antennarum articulus 1us plus duplo longior; 3us lanceolatus, 1o æqualis; arista 3o multo longior. Thoracis latera rarissime setosa. Abdominis dimidium ante basale pilosum, alas paullo superans. Sexualia parva; forceps robustus. Pedes sat graciles, rarissime spinosi, subpubescentes.

Radial vein straight, joining the subcostal at a short distance from the tip of the latter. Cubital forked at very much beyond half its length; fore fork much curved at its base; hind fork slightly undulating. First externo-medial very much curved at its base; second straight; third slightly curved, forming a hardly obtuse angle with the præbrachial, joining the fourth at far from the border. Subanal joining the anal far from the border.

silus Centho, *Walk.*

Group 9.

Corpus maximum, pubescens. Caput subtus densissime pilosum. Facies antice convexa. Mystax densissime setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o multo brevior; arista 3o multo longior. Thoracis latera setis paucis. Pedes robusti, hirti, spinosi. *Mas.*—Abdomen alas paullo superans. Sexualia medioeris. *Fem.*—Abdomen alas vix superans, usque ad apicem pubescens.

Radial vein nearly straight, joining the subcostal at a considerable distance from the tip of the latter. Cubital forked at very much beyond its middle; fore fork hardly curved; hind fork undulating. First externo-medial very much curved near its base;

second straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth at very far from the border. Subanal joining the anal far from the border. *Male*.—Costa convex beyond the middle, where the fore areolets are dilated and furnished with transverse ribs.

Asilus plicatus, *Leach*.

Group 10.

Fæm. Corpus magnum, breviter hirtum. Caput subtus densissime pilosum. Facies subconvexa. Mystax sat magnus, setis longis densis. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o vix longior; arista 3o multo longior. Thoracis abdominisque latera pure setosa. Abdomen oblanceolatum, thorace duplo longius, alas non superans, apice vix compressum. Pedes robusti, hirti, spinosi; femora crassa.

Cubital vein forked at very much beyond half its length; forks hardly undulating, their tips diverging. First externo-medial much curved near its base; second almost straight; third curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal rather far from the border.

Asilus Amycla, *Walk*.

Group 11.

Mas. Corpus magnum. Caput subtus dense pilosum. Facies convexa. Mystax dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o multo longior; 3us lanceolatus 1o longior; arista 3o æqualis. Thorax hirtus; latera et scutellum parce setosa. Abdomen oblanceolatum, subpilosum, thorace fere duplo longius, alas paullo superans. Sexualia mediocria; forceps longus, gracilis, arcuatus. Pedes robusti, spinosi, parce hirti.

Cubital vein forked at very much beyond half its length; forks slightly undulating. First externo-medial curved near its base; second nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus inglorius, *Macleay*; *A. alligans*, *Walk*.

233. ASILUS VILICATUS.

Asilus villicatus, *Diptera Saundersiana*, Pt. 2, 147.

New South Wales.

234. *ASILUS OBUMBRATUS.**Asilus obumbratus*, *Diptera Saundersiana*, Pt. 2, 145.

New South Wales.

235. *ASILUS LATICORNIS.**Niger, cinereo tomentosus; mystax flavido varius; antennæ articulo 3o lato; abdomen incisuris albidis; alæ cinereæ, apice subfuscæ.**Asilus laticornis*, *Macq. Dipt. Exot. Suppl.* 1, 91, 49, pl. 8, f. 14.

Tasmania.

236. *ASILUS PELAGO.**Asilus Pelago*, *Cat. of Diptera*, Pt. 2, 419.

New Holland.

237. *ASILUS EXILIS.**Mas. Ater, gracilis; abdominis segmenta 2um 3um 4umque albo marginata; tibiæ tarsique rufa; alæ subflavescentes, venis transversis fusco marginatis.**Asilus exilis*, *Macq. Dipt. Exot.* i. 2, 145, 27.

Kangaroo Island, New Holland.

238. *ASILUS MARICUS.**Asilus Maricus*, *Diptera Saundersiana*, Pt. 2, 141.

Port Philip.

239. *ASILUS CÆDICIVS.**Asilus Cædicivus*, *Cat. of Diptera*, Pt. 2, 457.

New Holland.

240. *ASILUS RUBRITHORAX.**Fœm. Cinereus; thorax rubidus, nigro vittatus; pedes castanei, tarsis nigris; alæ fuscæ.**Asilus rubrithorax*, *Macq. Dipt. Exot.* i. 2, 143, 21.

New Holland.

241. *ASILUS TASMANIÆ.**Mas. Flavescent; thorax nigro vittatus; abdomen pedesque testacea; femora apice tarsique nigra; alæ fuscæ, ad costam convexæ.**Asilus Tasmaniæ*, *Macq. Dipt. Exot.* i. 2, 145, 26.

Hobart Town.

242. *ASILUS GIGANTEUS*.

Cinereus; *thorax testaceo vittatus*; *abdomen fulvo pubes pedes testacei, tarris nigris*; *alæ cinereo-fuscae, maris dil.*
Asilus giganteus, *Macq. Dipt. Exot. Suppl.* 2, 43, 57, pl. 1, f.
 Tasmania.

243. *ASILUS NIGRITARSIS*.

Facies albido-flava; *mystax albido-flavus, nigro varius*; *an-*
nigræ, articulo 3o elongato; *thorax vittis nigris*; *interr-*
divisa; *abdomen rufo testaceum, basi fuscum*; *pedes*
genuibus tarsisque nigris; *alæ subfuscescentes.*
Asilus nigratarsis, *Macq. Hist. Nat. Dipt.* i. 304, 5.
 Hobart Town. New Guinea.

244. *ASILUS GRANDIS*.

Fœm. Testaceus; *mystax flavidus*; *thorax nigro vittatus*; *men fulvum*; *tibiæ posticæ flavæ*; *tarsi nigri*; *alæ fuscescentes.*
Asilus grandis, *Macq. Dipt. Exot. Suppl.* 3, 30, 63, pl. 3, f. 4.
 New Holland.

245. *ASILUS MALLEOLUS*.

Asilus Malleolus, *Cat. of Diptera*, Pt. 2, 418.
a, b. Van Dieman's Land. Presented by the late E. Janson, F

246. *ASILUS ALCETAS*.

Asilus Alcetas, *Cat. of Diptera*, Pt. 2, 425.
 Van Dieman's Land.

247. *ASILUS MURINUS*.

Cinereus; *thorax flavescens*; *pedes rufi, tarris nigris*; *alæ linæ, subflavescentes, apice subcinereæ.*
Asilus murinus, *Macq. Dipt. Exot.* i. 2, 144, 24.
 New Holland.

248. *ASILUS DISCUTIENS*.

Asilus discutiens, *Diptera Saundersiana*, Pt. 2, 135.
 New Holland.

249. *ASILUS AUSTRALIS*.

Fœm. *Niger*; *thorax lineis albis*; *abdomen incisuris cinereis*; *tibiæ testaceæ, posticæ nigrae*; *alæ subcinereæ*.

us australis, Macq. *Dipt. Exot. Suppl.* 2, 44, 59.

✓ Holland.

250. *ASILUS ACUTANGULATUS*.

Fœm. *Niger*; *thorax lineis albis*; *abdomen incisuris albis*; *tarsi postici tibiaque testacea*; *alæ hyalinæ*.

us acutangulatus, Macq. *Dipt. Exot. Suppl.* 2, 44, 60.

mania.

251. *ASILUS ARMATUS*.

Fœm. *Niger*; *mystax subтус albus*; *thorax cinereus, vittis nigris*; *abdomen incisuris cinereis*; *tibiæ testaceæ, femora antica spinosa*; *alæ subflavescentes*.

us armatus, Macq. *Dipt. Exot. Suppl.* 1, 9, 47, pl. 8, f. 17; *Suppl.* 2, 45.

✓ Holland. Tasmania.

252. *ASILUS ANTILCOO*.

us Antilco, Cat. of *Diptera*, Pt. 2, 458.

t Stephen.

253. *ASILUS MARGITIS*.

us Margitis, Cat. of *Diptera*, Pt. 2, 461.

us Cœdicus, var. ♂

Melbourne, Australia. From Mr. Baly's collection.

254. *ASILUS RUDIS*.

Mas. *Cinereus*; *caput subтус albido pilosum*; *mystax niger, setis nonnullis inferioribus albis*; *thoracis discus nigro-fuscus*; *abdomen nigro-fusco tessellatum*; *tibiæ rufescentes, apices versus nigricantes*; *alæ subcinereæ*.

Male. Cinereous. Head whitish in front, clothed with whitish hairs beneath. Mystax black, with a few white bristles beneath. Tarsæ black. Disk of the thorax blackish brown, indistinctly ped. Abdomen tessellated with blackish brown. Sexualia black, shining, with white hairs beneath. Legs black, with black

and whitish spines, slightly hairy; tibiae reddish, black towards the tips. Wings slightly gray; veins black, tawny at the base. Halteres tawny. Length of the body 5 lines; of the wings 8 lines.

a. Melbourne, Australia. From Mr. Baly's collection.

255. *ASILUS LUCTIFERUS*.

Asilus luctiferus, *Diptera Saundersiana*, Pt. 2, 144.

Van Dieman's Land.

256. *ASILUS ELICITUS*.

Asilus elicitus, *Diptera Saundersiana*, Pt. 2, 139.

New South Wales.

257. *ASILUS FRATERNUS*.

Fœm. Niger; mystax niger, setis nonnullis inferioribus albis; thorax albido vittatus, lateribus cinereis; abdomen incisuris setisque lateralibus albis; tibiæ testaceæ, apice nigre; alæ cinereæ, apice subfuscescentes.

Asilus fraternus, *Macq. Dipt. Exot. Suppl.* 1, 91, 48.

Tasmania.

258. *ASILUS TRACHALUS*.

Asilus Trachalus, *Diptera Saundersiana*, Pt. 2, 143.

Van Dieman's Land.

259. *ASILUS BLASIO*.

Asilus Blasio, *Cat. of Diptera*, Pt. 2, 441.

West Australia.

260. *ASILUS INGLOBIUS*.

Obscure luteus; mystax albidus, supra niger; abdomen basi flavo hirsutum; pedes rufi, genubus tarsisque nigris; alæ flavo hyalinæ, apice obscuriores.

Asilus inglorius, *Macleay, King's Narr. Surv. Austral.* ii. 467, 162.

Australia.

261. *ASILUS ALICIS*.

Niger, albo hirtus, nigro setosus; mystax albus, supra niger; antennæ basi testaceæ; pedes testacei, femoribus nigro vittatis; alæ subcinereæ.

Black, clothed with white hairs and black bristles. Epistoma slightly prominent, rather thickly beset with white bristles, above which there are a few black bristles. First and second joints of the antennæ testaceous. Legs testaceous, a black stripe on each of the femora; tips of tarsi black. Wings slightly gray; veins black, testaceous at the base. Halteres yellow. Length of the body $4\frac{1}{2}$ lines; of the wings 7 lines.

a. New Holland.

262. *ASILUS MUTILATUS.*

Cinereus, testaceo pilosus; caput et pectus alba; mystax testaceus; antennæ nigrae; thorax indistincte vittatus; abdomen apice nigrum; pedes nigricantes, testaceo hirti, albido spinosi; alæ subcinereæ, apice obscuriores, venis basi fulvis.

Cinereous, with testaceous hairs. Head and pectus whitish. *Mystax* testaceous. Antennæ black. Thorax with three indistinct stripes. Abdomen with a black tip. Legs blackish, with testaceous hairs and whitish spines. Wings grayish, with darker tips; veins black, tawny at the base. Halteres testaceous. Length of the body $7\frac{1}{2}$ lines; of the wings 9 lines.

a. Melbourne, Australia. From Mr. Baly's collection.

263. *ASILUS SYDNEENSIS.*

Mas. Flavo-cinereus; thorax nigro vittatus; abdomen pedesque castanea, tarsi nigri; alæ flavæ, subdilatatae, apice et margine postico subfuscis.

Asilus Sydneensis, Macq. Dipt. Exot. i. 2, 144, 11.

Var. Asilus Amythaon, Cat. of Diptera, Pt. 2, 423.

Var. P Asilus Maso, Cat. of Diptera, Pt. 2, 424.

New Holland.

264. *ASILUS HYAGNIS.*

Asilus Hyagnis, Diptera Saundersiana, Pt. 2, 139.

New South Wales.

265. *ASILUS RUFIVENTRIS.*

Castaneus; thorax nigro vittatus; abdomen rufum; femora testacea; tibiæ rufæ; tarsi nigri; alæ flavæ.

Asilus rufiventris, Macq. Dipt. Exot. i. 2, 144, 22.

New Holland.

266. *ASILUS JACKSONII*.

Fœm. *Albidus; thorax nigro vittatus; abdomen fuscum, segmento 7o ferrugineo, ano depresso; pedes rufi, tarsi nigri; alæ pallide flavescences, apice cinereæ.*

Asilus Jacksonii, Macq. *Dipt. Exot.* i. 2, 145, 25.

Port Jackson, New Holland.

267. *ASILUS ALLIGANS*.

Mas. *Rufescens; caput subtus albo pilosum; mystax testaceus; thoracis et pectoris disci nigricantes; abdomen basi nigricans, apice nigrum; pedes rufi, tibiis apice tarsisque nigris; alæ cinereæ.*

Male. Reddish. Head beneath and coxæ with white hairs. *Mystax* testaceous. First and second joints of the antennæ reddish. Thorax and pectus with blackish disks; thorax with three hoary stripes; pectus with hoary tomentum. Abdomen towards the base black, and clothed with hoary hairs; tip black. Legs red; tarsi and tips of the tibiæ black. Wings gray. Length of the body 13 lines; of the wings 20 lines.

a. Van Dieman's Land. Presented by Morton Allport, Esq.

268. *ASILUS CAUDATUS*.

Fœm. *Flavidus; mystax flavescens; antennæ nigre; thorax fusco vittatus; abdomen nigrum, aurato fasciatum; pedes dilute mellei; alæ subflavescences, apice fuscescentes.*

Dasygogon caudatus, Fabr. *Syst. Antl.* 171, 33.

Asilus caudatus, Wied. *Dipt. Exot.* i. 191, 15; *Auss. Zweifl.* i. 444, 30.

New South Wales.

269. *ASILUS CENTHO*.

Asilus Centho, Cat. of *Diptera*, Pt. 2, 431.

New Holland.

Var. ? Male. Black. Head clothed beneath and in front with white hairs; epistoma red, prominent, beset with white bristles; first and second joints of the feelers ferruginous, clothed with white hairs; third spindle-shaped; style very short; chest and breast red, the former with three broad black stripes; abdomen dull black, narrower than the chest, and about twice its length, slightly tapering

from the base to the tip ; legs red, clothed with white hairs and bristles, a gray stripe on each thigh ; wings slightly gray, with gray tips ; veins black ; poisers yellow, with pitchy knobs. Length of the body $4\frac{1}{2}$ lines ; of the wings 7 lines.

270. *ASILUS PLICATUS*.

Asilus plicatus, Leach ; Wied.

New Holland.

271. *ASILUS VITTIPES*.

Mystax albus ; thorax cinereus vittis fuscis ; abdomen maris cinereum trifariam fusco maculatum ; sœmina fuscum, incisuris cinereis ; pedes fulvi, femoribus tibiisque nigro vittatis ; alæ subhyalinæ.

Asilus vittipes, Macq. Dipt. Exot. Suppl. 2, 43, 58.

Tasmania.

272. *ASILUS FILIFERUS*.

Mas. *Mystax albidus* ; thorax flavido tomentosus, vittis nigris ; abdomen incisuris flavidis ; pedes flavi ; alæ flavidæ, apice subfuscæ.

Asilus filiferus, Macq. Dipt. Exot. Suppl. 1, 92, 50, pl. 8, f. 8.

Sydney Isle, Oceania.

273. *ASILUS PLANUS*.

Cinereus ; antennæ nigrae, basi rufescentes ; mystax albido setosus ; thorax fusco trivittatus ; abdomen supra cervinum, villa dorsali fusca ; pedes rufi, tarsi nigris ; alæ subcinereæ, venis fusco sublimbatis.

Fem. Cinereous. Head whitish in front and beneath, clothed with whitish hairs. *Mystax* with whitish bristles. Antennæ black, reddish towards the base. Thorax with three broad brownish stripes, the lateral pair obliquely interrupted. Abdomen fawn-colour above, with a brown dorsal stripe ; first, second and third segments with gilded hairs on each side. Legs red ; tarsi and hind knees black. Wings slightly grayish, with a pale brownish tinge in front and along the veins ; veins and halteres tawny. Length of the body 11 lines ; of the wings 18 lines.

a. Australia. From Mr. Stevens' collection.

274. *ASILUS AMYCLA*.

Asilus Amycla, Cat. of Diptera, Pt. 2, 423.

New Holland.

New Zealand.

A. <i>Mystax niger</i> .	-	-	-	-	-	-	varius, <i>White</i> .
B. <i>Mystax niger</i> , albo varius.	-	-	-	-	-	-	Bulbus, <i>Walk</i> .
C. <i>Mystax albus</i> .	-	-	-	-	-	-	Lascus, <i>Walk</i> .

Group 1.

Corpus vix mediocre. Caput subtus dense pilosum. Facies convexa. *Mystax* dense setosus. Proboscis sublinearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus 1o æqualis; arista 3o paullo longior. Thorax hirtus; latera setosa. Abdomen thorace plus duplo longius, alas vix superans. Pedes validi, spinosi, parce hirti. *Mas.*—Abdomen sublineare. Sexualia mediocria tumida. *Fæm.*—Abdomen oblanceolatum, triente apicali compressa lævi nitida.

Cubital vein forked at rather before two-thirds of its length; forks very slightly curved, diverging from each other. First externo-medial curved near its base; second nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus varius, *White*.

Group 2.

Corpus gracile, fere nudum. Caput subtus parce pilosum. Facies plana. *Mystax* minimus, setis paucissimis. Proboscis gracilis, sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o multo brevior. Thoracis et abdominis latera parce setosa. Thorax brevis. Abdomen thorace plus duplo longius, alas non superans. Pedes graciles, parum setosi, fere nudi. Alæ longiusculæ. *Mas.*—Abdomen sublineare. Sexualia minima. *Fæm.*—Abdomen sublanceolatum, apice compresso lævi nitido.

Cubital vein forked at rather beyond half its length; forks nearly straight, slightly diverging. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Lascus, *Walk*.

275. *ASILUS VARIUS*.

Asilus varius, *Cat. of Diptera*, Pt. 2, 457.

a, b. New Zealand. Presented by Dr. Sinclair.

c. Auckland, New Zealand. Presented by Col. Bolton.

276. ASILUS BULBUS.

Asilus Bulbus, *Cat. of Diptera*, Pt. 2, 465.*Asilus varius*, *Var.* ?

277. ASILUS LASCUS.

Asilus Lascus, *Cat. of Diptera*, Pt. 2, 466.*a. b.* New Zealand. Presented by Dr. Sinclair.*c.* New Zealand. Presented by Dr. Hooker.*d.* Auckland, New Zealand. Presented by Col. Bolton.

Country unknown.

Group 1. LOPHONOTUS.

278. ASILUS BREVIPENNIS.

*Mas. Ater, albo pubescens; abdomen maculis trigonis nigris, alæ breves subfusæ, vena cubitali et externo-media la conjunctis.**Lophonotus brevipennis*, *Macq. Dipt. Exot. i. 2*, 130, 11.**A. Mystax niger.****A. Femora nigra.***a. Alæ nigro-fusæ.* - - - - *Corissus*, *Walk.**b. Alæ subfusæ, apice cineræ.* - - *Tamphilus*, *Walk.**c. Alæ limpidæ.* - - - - *Echepolis*, *Walk.***B. Femora rufa, nigro vittata.** - - - *Sophus*, *Walk.***B. Mystax niger, fulvo, aut flavo varius.****A. Pedes nigri.** - - - - *Gorgasus*, *Walk.**a. Femora nigra aut nigro-cinerea.**a. Alæ subfusæ.**i. Thorax fuscus, nigro vittatus.* *dioctriæformis*, *Macq.**ii. Thorax canus, vittis cinereis.* - *Triopas*, *Walk.**b. Alæ subfulvæ, apice cineræ.* - *Halmus*, *Walk.**c. Alæ hyalinæ, apice subfusæ.* - *micropterus*, *Macq.***b. Pedes picei, fulvo vittati.** - - - *Vibulamus*, *Walk.***c. Femora picea.***a. Alæ fulvæ, areolarum discis sublimpidis.* *Antiorus*, *Walk.**b. Alæ fusco-fulvæ.* - - - *Corymeta*, *Walk.**d. Femora rufa, supra nigra.* - - - *terebratus*, *Macq.**e. Femora rufa.* - - - - *Eanes*, *Walk.**f. Femora mellea.* - - - - *melleus*, *Macq.*

C. *Mystax niger*, also *varius*.A. *Pedes nigri*. - - - - - *Penarius*, *Walk.*B. *Femora nigra*.A. *Alæ subfuscae*.a. *Antennæ basi ferrugineæ*. - - - - - *Corythus*, *Walk.*b. *Antennæ totæ nigre*. - - - - - *Ochesius*, *Walk.*B. *Alæ subcinereæ*. - - - - - *Coras*, *Walk.*C. *Femora rufa, nigro vittata*. - - - - - *Balacrus*, *Walk.*D. *Mystax flavus*, aut *flavo-albus*.A. *Alæ maculatæ*. - - - - - *Hercules*, *Wied.*B. *Alæ non maculatæ*.A. *Pedes nigro-ænei*. - - - - - *inumbatus*, *Walk.*B. *Femora rufa, nigro vittata*. - - - - - *rufipes*, *Macq.*C. *Femora rufa, non vittata*.a. *Thorax cinereo canescens*. - - - - - *Virgo*, *Wied.*b. *Thorax fulvus, vittis quatuor obscurioribus*.*Thimbro*, *Walk.*E. *Mystax albus*.A. *Alæ flavescentes, apice subfuscae*. - - - - - *ochripes*, *Macq.*B. *Alæ limpidæ*. - - - - - *Dasius*, *Walk.*

Group 1.

Mas. Corpus magnum. Caput subtus densissime setosum. Facies convexa. *Mystax* dense setosus, sat magnus. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o brevior; arista 3o longior. Thoracis latera parce setosa. Abdomen sublineare, thorace duplo longius, alas vix superans, basim versus pilosum. Sexualia parva; forceps rectus sublinearis. Pedes validi, spinosi, parce hirti.

Allied to *Erax*. Cubital vein forked at about half its length; forks hardly undulating; fore fork almost angular near its base. First and second externo-medial veins indistinctly undulating; third curved, forming a very obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Asilus Corissus, *Walk.*

Group 2.

Mas. Corpus angustum, subpubescens. Caput subtus dense pilosum. Facies parum convexa. *Mystax* vix dense setosus. Proboscis lanceolata. Thoracis latera et scutellum subsetosa. Abdomen thorace duplo longius. Sexualia parva. Pedes validi, pilosi, spinosi.

Radial as usual. Cubital vein forked at very much beyond half its length; forks hardly undulating. First externo-medial vein slightly curved near its base; second straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal at a short distance from the border.

silus *Tamphilus*, *Walk.*

Group 3.

Corpus parvum, hirtum. Caput subtus dense pilosum. Facies abconvexa. Mystax dense setosus, ad antennas non ascendens. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o æqualis; arista 3o paullo longior. Thoracis latera setosa. Abdomen ob lanceolatum, thorace plus duplo longius, apice paullo superans, basim versus præsertim pilosum. Sexualia parva; forceps subarcuatus. Pedes sat validi, hirti, spinosi.

Cubital vein forked at very much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

silus *Echepolis*, *Walk.*

Group 4.

Mas. Corpus mediocre, hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus, antennas non attingens. Proboscis gracilis, sub lanceolata. Thoracis latera et scutellum setosa. Abdomen sublineare, alas non superans. Sexualia medioecia; forceps crassus, arcuatus. Pedes pilosi, setosi, et graciles.

Veins of the wings like those of *Asilus Balacrus*.

silus *Sophus*, *Walk.*

Group 5.

Fem. Corpus mediocre, hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax magnus, densissime setosus. Proboscis sub lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o non longior. Thoracis latera et scutellum setosa. Abdomen ob lanceolatum, thorace non duplo longius, alas non superans, apice compressum, uncinatum. Pedes robusti, hirti, spinosi.

Cubital vein forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First externo-medial vein much curved near the base; second almost straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Gorgasus, Walk.

Group 6.

Mas. Corpus mediocre, dense hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax magnus, densissime setosus, fere ad antennis ascendens. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o brevior. Thoracis latera setosa. Abdomen thorace multo longius. Sexualia parva; forceps brevis, crassus, arcuatus. Pedes robusti, spinosi, densissime pilosi.

Radial as usual. Cubital vein forked at much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at rather far from the border. Subanal joining the anal near the border.

Asilus Triopas, Walk.

Group 7.

Fæm. Corpus vix mediocre, fere nudum. Caput subtus dense pilosum. Facies convexa. Mystax sat dense setosus. Proboscis sublanceolata. Thoracis latera setosa. Abdomen oblanceolatum, basi utrinque fasciculatum, apice compressum, abdomen superans. Pedes robusti, spinosi, non hirti.

Radial as usual. Cubital vein forked at rather beyond half its length; forks hardly curved, diverging from each other. First and second externo-medial veins straight; third hardly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Halmus, Walk.

Group 8.

Fæm. Corpus mediocre, sat longum. Corpus subtus dense pilosum. Facies parum convexa. Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o duplo

longior; 3us sublanceolatus, 1o æqualis; arista 3o longior. Thoracis latera parce setosa. Abdomen oblanceolatum, apice compressum, alas paullo superans. Pedes sat graciles, parce spinosi, vix hirti.

Allied to *Erax*. Radial as usual. Cubital vein forked at hardly beyond half its length; forks hardly undulating; fore fork forming at its base an obtuse angle, which emits a little branch; the latter is about one-third of the length of the basal side of the angle. First and second externo-medial veins nearly straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Vibulanus, *Walk.*

Group 9.

Mas. Corpus maximum, subpubescens. Caput subtus densissime pilosum. Facies convexa. Mystax dense setosus, antennis non attingens. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o brevior; arista 3o multo longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum, thorace plus duplo longius, alas superans. Sexualia parva. Pedes validi, spinosi, pubescentes.

Radial vein nearly straight, joining the subcostal at some distance from the tip of the latter. Cubital forked at very much beyond half its length; fore fork hardly curved; hind fork slightly curved forward. First externo-medial slightly curved near its base; second straight; third straight, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Antiorus, *Walk.*

Group 10.

Mas. Corpus magnum, longiusculum, subpubescens. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus, antennis non attingens. Proboscis lanceolata, sat gracilis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo brevior; arista 3o multo longior. Thoracis latera, scutellum et abdomen basi setosa. Abdomen oblanceolatum, thorace plus duplo longius, alas superans. Sexualia parva. Pedes sat graciles, spinosi, pubescentes.

Radial vein almost straight, joining the subcostal rather far from the tip of the latter. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly curved forward.

First externo-medial slightly curved near its base; second straight; third very slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Corymeta, *Walk.*

Group 11.

Corpus maximum, parce hirtum. Caput subtus pilosum. Facies valde convexa. Mystax vix dense setosus. Proboscis gracilis, sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o brevior; arista 3o fere triplo longior. Thorax setis nonnullis lateralibus et posticis. Pedes validi, spinosi, hirti.

Cubital vein forked at rather beyond half its length; fore fork almost straight; hind fork slightly undulating. First externo-medial vein very slightly curved; second straight, slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Eanes, *Walk.*

Group 12.

Fæm. Corpus mediocre, fere nudum. Caput subtus densissime pilosum. Facies subconvexa. Mystax parvus, densissime setosus. Proboscis sublinearis. Thoracis dorsum et latera parce setosa. Abdomen oblanceolatum, apice nitens vix compressum, alas paullo superans. Pedes sat validi, spinosi, fere nudi.

Radial as usual. Cubital vein forked at much beyond half its length; forks slightly undulating. First, second and third externo-medial veins nearly straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Penarius, *Walk.*

Group 13.

Fæm. Corpus mediocre, subpubescens. Caput subtus dense pilosum. Facies plana. Mystax densissime setosus, antennis fere attingens. Proboscis sublinearis. Thoracis latera et scutellum subsetosa. Abdomen longiusculum, oblanceolatum, thorace plus duplo longius, alas superans, apicem versus subcylindricum. Pedes graciles, breviter spinosi.

Radial as usual. Cubital vein forked at a little before half its length; forks very near each other for one-third of the length from the base, after which the hind fork diverges, but again approaches the fore fork near their tips; fore fork angular at its base. First externo-medial vein slightly curved near its base; second straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at rather far from the border. Subanal joining the anal rather far from the border.

Asilus Corythus, *Walk.*

Group 14.

Fam. Corpus parvum, parce hirtum. Caput subtus dense pilosum. Facies convexa. Mystax dense pilosus, mediocris. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o non longior; arista 3o brevior. Thoracis latera setosa.

Abdomen oblanceolatum, thorace duplo longius, apicem versus compressum. Pedes sat graciles, parce setosi, non hirti. Cubital vein forked at much beyond half its length; fore fork almost straight; hind fork slightly undulating. Externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Ochesus, *Walk.*

Group 15.

Fam. Corpus vix mediocre, fere nudum. Caput subtus dense pilosum. Facies apud epistoma subconvexa. Mystax setis paucis. Proboscis brevis, lanceolata. Antennarum articulus 1us 2o fere duplo longior; 3us longiconicus, 1o æqualis; arista 3o non longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum, thorace duplo longius, alas non superans, apice compresso lævi nitido. Pedes sat graciles, parce spinosi, vix hirti.

Radial vein as usual. Cubital vein forked at much beyond half its length; forks slightly undulating. First and second externo-medial veins straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Coras, *Walk.*

Group 16.

Corpus mediocre, latiusculum, hirtum. Caput subtus dense pilosum. Facies parum convexa. Mystax raro setosus. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 1o paullo longior. Thoracis latera et scutellum setosa. Pedes robusti, subpubescentes, raro spinosi; metatarsi latiusculi.

Radial as usual. Cubital vein forked at very much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins nearly straight; first curved at the base; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal rather near the border.

Asilus Sophus, Walk.; *A. Balacrus*, Walk.

Group 17.

Corpus gracile, mediocre, fere nudum. Caput subtus pilosum. Facies plana. Mystax parvus, setis paucis apud epistoma. Mystax gracilis, sublinearis. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o multo brevior; arista 3o duplo longior. Thorax breviter et parce hirtus; latera et scutellum parce setosa. Abdomen thorace plus duplo longius, alas superans; incisuræ lateribus parce setosis. Pedes nudi, sat validi, parce spinosi. *Mas.*—Abdomen lineare. Sexualia minima. *Fæm.*—Abdomen apicem versus oblancoelatum, apice compresso lævi nitido.

Cubital vein forked at much beyond half its length; forks very slightly undulating, their tips diverging. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Thimbro, Walk.

Group 18.

Corpus mediocre, fere nudum. Caput latum, subtus parce pilosum. Facies fere plana. Mystax parvus, setis paucis. Proboscis sublinearis. Antennarum articulus 1us 2o triplo longior; 3us lanceolatus, 1o paullo brevior; arista brevissima. Thoracis latera vix setosa. Pedes validi, spinosi, non hirti.

Cubital vein forked at much beyond half its length; forks nearly straight. Externo-medial veins nearly straight; third form-

ing an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal very near the border.

Asilus Dasius, *Walk.*

279. *ASILUS CORISSUS.*

Asilus Corissus, *Cat. of Diptera*, Pt. 2, 464.

280. *ASILUS TAMPHILUS.*

Asilus Tamphilus, *Cat. of Diptera*, Pt. 2, 440.

281. *ASILUS ECHEPOLIS.*

Asilus Echepolis, *Cat. of Diptera*, Pt. 2, 459.

282. *ASILUS SOPHUS.*

Asilus Sophus, *Cat. of Diptera*, Pt. 2, 435.

283. *ASILUS GORGASUS.*

Asilus Gorgasus, *Cat. of Diptera*, Pt. 2, 422.

284. *ASILUS DIOCTRIÆFORMIS.*

Mas. Niger; mystax fulvo varius; facies longa angusta; thorax fuscus, vittis nigris; abdomen elongatum; tibiæ testaceæ; alæ subfuscæ.

Asilus dioctriæformis, *Macq. Dipt. Exot. Suppl.* 1, 90, 46, pl. 8 f. 13.

285. *ASILUS TRIOPAS.*

Asilus Triopas, *Cat. of Diptera*, Pt. 2, 444.

286. *ASILUS HALMUS.*

Asilus Halmus, *Cat. of Diptera*, Pt. 2, 446.

287. *ASILUS MICROPTERUS.*

Fœm. Ater; flavo hirtus; femora viridescens; tibiæ testaceæ, posticæ sublus nigræ, anticæ hirsutæ; tarsi fuscæ; alæ breves hyalinæ, apice fuscæ.

Asilus micropterus, *Macq. Dipt. Exot.* i. 2, 151, 41.

288. *ASILUS VIBULANUS.**Asilus Vibulanus, Cat. of Diptera, Pt. 2, 438.*289. *ASILUS ANTIERUS.**Asilus Antierus, Cat. of Diptera, Pt. 2, 414.*290. *ASILUS CORYMETA.**Asilus Corymeta, Cat. of Diptera, Pt. 2, 415.*291. *ASILUS TEREBRATUS.*

*Fœm. Ater; thorax flavidus, nigro vittatus; abdominis segme-
 rufo marginata; terebra longa; pedes rufi, supra tarsi
 nigri; alæ flavescentes, postice subfusæ.*

Asilus terebratus, Macq. Dipt. Exot. i. 2, 149, 37.

Exotic?

292. *ASILUS EANES.**Asilus Eanes, Cat. of Diptera, Pt. 2, 417.*293. *ASILUS MELLEUS.*

*Fœm. Rubidus; facies argentata; antennæ nigræ, basi fu-
 fulvæ; thorax nigro vittatus; abdomen nigricans, incis-
 albidis; pedes mellei; alæ hyalinæ.*

*Asilus melleus, Macq. Dipt. Exot. i. 2, 151, 42.*294. *ASILUS PENARIUS.**Asilus Penarius, Cat. of Diptera, Pt. 2, 439.*295. *ASILUS CORYTHUS.**Asilus Corythus, Cat. of Diptera, Pt. 2, 440.*296. *ASILUS OCHESIUS.**Asilus OchESIUS, Cat. of Diptera, Pt. 2, 461.*297. *ASILUS CORAS.**Asilus Coras, Cat. of Diptera, Pt. 2, 445.*

298. ASILUS BALACRUS.

Asilus Balacrus, *Cat. of Diptera*, Pt. 2, 442.

299. ASILUS HERCULES.

Cinereus; *mystax flavo-albus*; *antennæ nigrae*; *thorax vittis nigricantibus*; *abdomen flavidum*; *pedes ferruginosi*; *alæ flavescentes*; *plaga fuscana*.

Asilus Hercules, *Wied. Auss. Zweifl.* i. 425.

300. ASILUS INUMBRATUS.

Asilus inumbratus, *Diptera Saundersiana*, Pt. 2, 134.

301. ASILUS RUFIPES.

Mas. Cinereus; *pedes rufæ*, *femoribus intus nigris*; *alæ hyalinae*, *subflavescentes*, *areolis posticis ad discos cinereis*.

Asilus rufipes, *Macq. Dipt. Exot.* i. 2, 150, 38.

302. ASILUS VIRGO.

Fœm. Cinereo-canescens; *mystax pallide flavescens*; *antennæ nigricantes*; *thorax late vittatus*, *abdomen subtessellatum*; *pedes rubidi*, *femoribus tibiisque apice nigris*; *alæ limpidae*.

Asilus Virgo, *Wied. Auss. Zweifl.* i. 446, 32.

303. ASILUS THIMBRO.

Asilus Thimbro, *Cat. of Diptera*, Pt. 2, 460.

304. ASILUS OCHRIPIES.

Fœm. Flavido-cinereus; *abdomen cinereum*; *pedes rufi*, *tarsis apice nigris*; *alæ flavescentes*, *apice subfusca*.

Asilus ochripes, *Macq. Dipt. Exot.* i. 2, 150, 40.

305. ASILUS DASIUS.

Asilus Dasius, *Cat. of Diptera*, Pt. 2, 462.

306. ASILUS? GROSSUS.

Niger, *hirsutus*; *caput antice*, *thorax et abdomen basi cinerea*; *thorax punctis duabus posticis flavis*; *alæ cinerea*, *venis fuscis*.

Asilus grossus, *Fabr. Syst. Antl.* 498, 113. *Wied. Auss. Zweifl.* i. 498, 113.

America.

307. *ASILUS? MAURUS.*

*Subferrugineus; antennæ ferruginæ; thorax vittis tribus dorsali-
bus pectusque punctis lateralibus nigris; abdominis segmenta
fusco marginata.*

Asilus maurus, *Linn. Fabr. Ent. Syst.* iv. 376, 2; *Syst. Antl.* 153, 2. *Wied. Auss. Zweifl.* i. 499, 114.

North Africa.

Genus 8. *POLYPHONIUS.*

Antennarum arista nuda, crassa; articulus 1us 2o multo brevior. Femora intermedia incrassata; tibiæ intermediæ apice calcaratæ.

Polyphonius, *Loew, Linn. Ent.* iii. 402, 403.

1. *POLYPHONIUS LÆVIGATUS.*

*Ater; capite, thoracis vittis et maculis abdominisque cingulis
ochraceo pollinosis; alæ subfuscescentes.*

Polyphonius lævigatus, *Loew, Linn. Ent.* iii. 407, 1.

Rhodes.

Genus 9. *ATRACTIA.*

Corpus non depressum nec ciliatum. Facies prominens. Antennarum articulus 3us latus compressus fusiformis; arista non ciliata. Alarum areola mediastinalis clausa; areolæ submarginales duæ.

Atractia, *Macq. Dipt. Exot.* i. 2, 151.

Asilus, p., *Wied.*

1. *ATRACTIA PSILOGASTER.*

*Niger; mystax niger; antennæ basi rufescentes; thorax albo
pilosus; scutellum luteum; abdomen glabrum; pedes anteriores
niveo micantes; tibiæ rubidæ; alæ subobscuræ.*

Asilus psilogaster, *Wied. Auss. Zweifl.* i. 456, 49.

Atractia psilogaster, *Macq. Dipt. Exot.* i. 2, 152, 1.

Brazil.

Genus 10. OMMATIUS.

Corpus non depressum nec ciliatum. * Facies prominens. Antennæ arista subtus ciliata. Alarum areola mediastinalis clausa; areolæ submarginales duæ.

Ommatius, *Illiger*; *Wied.*; *Macq.*

Asilus p., *Fabr.*

Dasygogon, p., *Fabr.*

Like *Asilus* in the structure of the wing-veins.

North America.

1. OMMATIUS TIBIALIS.

Fuscus; antennæ *nigræ*; thorax *vittatus*; abdomen *obsolete albo fasciatum*; tibiæ *albidae*; alæ *apice obscuriores*.

Ommatius tibialis, *Say, Journ. Acad. Philad.* 1822, 49. *Wied. Auss. Zweifl.* i. 422, 6.

Pennsylvania.

Mexico.

2. OMMATIUS PUMILUS.

Fœm. *Cinereus*; *mystax flavidus*; thorax *vittis nigris*; pedes *nigri*, tibiis *basi testaceis*; alæ *hyalinæ apice subcinereæ*.

Ommatius pumilus, *Macq. Dipt. Exot. Suppl.* 2, 42, 6.

Mexico.

West Indies.

3. OMMATIUS SACCAS.

Ommatius Saccas, *Cat. of Diptera*, Pt. 2, 474.

Jamaica.

South America.

4. OMMATIUS MARGINELLUS.

Cinereo-flavescens; thorax *fusco vittatus*; abdomen *nigro-fuscum*; pedes *mellei*, femoribus tibiisque *apice nigris*.

Asilus marginellus, *Fabr. Spec. Ins.* ii. 464, 22; *Ent. Syst.* fiv. 384, 36.

Dasygogon marginellus, *Fabr. Syst. Antl.* 170, 28.

Ommatius marginellus, *Wied. Dipt. Exot.* i. 213, 1; *Auss. Zweifl.* i. 421, 5. *Macq. Dipt. Exot.* i. 2, 134, 4, pl. 11, f. 4.

Brazil.

5. OMMATIUS RUFIPES.

Fœm. Niger; mystax flavidus; antennæ basi apiceque testacea; thorax flavus, vittis nigris; abdomen incisuris flavis; pedes rufi; alæ subflavescentes.

Ommatius rufipes, Macq. Dipt. Exot. Suppl. i. 88, 5.

Colombia.

Africa.

A. Femora nigra.

A. *Mystax niger.* - - - - - auribarbis, *Wied.*

B. *Mystax albidus.* - - - - - pygmæus, *Wied.*

B. Femora fulva. - - - - - Jaculator, *Walk.*

6. OMMATIUS AURIBARBIS.

Flavidus; barba aurea; mystax niger; antennæ nigrae; thorax nigro vittatus; abdomen et femora nigra; tibiæ tarsique rufescentia; alæ flavescentes.

Ommatius auribarbis, Mus. Berl. Wied. Auss. Zweifl. i. 423, 9.

Sierra Leone.

7. OMMATIUS PYGMEUS.

Mas. Nigello-fuscanus; thorax vittis flavido-sejunctis latis; abdomen nigellum, incisuris albidis; pedes flavi, tibiis apice femoribusque nigris; alæ subflavescentes.

Ommatius pygmæus, Wied. Anal. Entom. 26, 22; Auss. Zweifl. i. 424, 10.

Guinea.

8. OMMATIUS JACULATOR.

Ommatius Jaculator, Diptera Saundersiana, Pt. 2, 152.

Africa.

Madagascar.

9. OMMATIUS MADAGASCARIENSIS.

Mas. Niger; thorax scapulis albis; femora anteriora fulva; tibiæ anteriores albidæ; alæ flavescentes.

Ommatius Madagascariensis, Macq. Dipt. Exot. i. 2, 133, 1, pl. 11, f. 3.

Madagascar.

Isle of France.

10. OMMATIUS ALBOVITTATUS.

Niger; thorax albidus vittis nigris; abdomen fasciis lateralibus albis; alæ subcinereæ.

Ommatius albiovittatus, Wied. Anal. Entom. 25, 20. Auss. Zweifl. i. 418, 1.

Isle of France.

11. OMMATIUS TARCHETIUS.

Ommatius Tarchetius, Cat. of Diptera, Pt. 2, 476.

Isle of France.

Asia.

A. Femora nigra.

A. Alæ flavescences.

a. Thorax non vittatus. - - - - fulvidus, *Wied.*

b. Thorax nigro vittatus. - - - - conopsoides, *Wied.*

c. Thorax fusco vittatus. - - - - Pennus, *Walk.*

B. Alæ sublimpidæ. - - - - leucopogon, *Wied.*

B. Femora fulva.

A. Femora postica nigro fasciata. - - - - compeditus, *Wied.*

B. Femora anteriora nigro vittata. - - - - rufipes, *Macq.*

C. Femora tota pallida.

A. Alæ subflavescences.

a. Abdomen nigrum. - - - - dispar, *Macq.*

b. Abdomen fulvum, nigro fasciatum. - - - - auratus, *Fabr.*

B. Alæ limpidæ. - - - - nanus, *Walk.*

12. OMMATIUS FULVIDUS.

Mas. Fulvidus; antennæ apice nigræ; abdomen nigrum; incisuris fulvis; pedes nigri, tibiis fulvis; alæ flavescences.

Ommatius fulvidus, Wied. Dipt. Exot. i. 214, 3; Auss. Zweifl. i. 420, 3. Macq. Dipt. Exot. Suppl. 3, 29, pl. 3, f. 2.

Asilus Garnotii, Guér. Voy. de la Coquille, Zool. ii. 292. Atlas, pl. 20, f. 8.

Java. Moluccas.

13. OMMATIUS CONOPSOIDES.

Flavidus; facies alba; antennæ nigræ; thorax nigro vittatus; abdomen nigrum, marginibus late canis; femora nigra; tibiæ fulvæ; alæ subflavescences, ad costam fuscescences.

Ommatius conopsoides, *Mus. Berl. Wied. Auss. Zweifl.* i. 422, 7.
Sumatra.

Var.? *Mas. Niger; facies alba; thorax nigro-fuscus, vitta lata atra, incisuris pectoreque canis; abdomen clavatum, segmentorum marginibus posticis canis, apice rufescente; tibiae fulvae, apice nigrae; metatarsi subtus rufescentes; alae cinerae, apud costam fuscescentes, dimidio basali postico sublimpido.*

Male. Inferior appendages of the abdomen much curved. Length of the body 5 lines; of the wings 8 lines. This may be a distinct species.

a. Sumatra. From Sir Stamford Raffles' collection.

14. OMMATIUS PENNUS.

Ommatius Pennus, *Cat. of Diptera*, Pt. 2, 469.

Var.? *Ommatius Curyphe*, *Cat. of Diptera*, Pt. 2, 469.

Borneo. Corea.

Fem. Style of the abdomen nearly as long as the anterior part, which is fusiform. Anterior femora tawny, with black tips; hind femora with a tawny subapical band.

a—c. Sumatra. From Sir Stamford Raffles' collection.

15. OMMATIUS LEUCOPOGON.

Niger; barba alba; thorax vittis flavido vix interstinctis; tibiae posticae luteae; alae sublimpidae.

Ommatius leucopogon, *Wied. Anal. Entom.* 25, 21; *Auss. Zweifl.* i. 423, 8.

East Indies.

16. OMMATIUS COMPEDITUS.

Niger; abdomen melleum, basi apiceque nigrum; pedes flavi; femoribus posticis nigro fasciatis; alae flavidae.

Ommatius compeditus, *Wied. Auss. Zweifl.* i. 419, 2.

East Indies?

17. OMMATIUS RUFIPES.

Mas. Fulvidus; thorax nigro vittatus; abdomen fuscum incisuris fulvis; pedes fulvi, femoribus anterioribus nigro vittatis; alae subflavescentes apice fuscae.

Ommatius rufipes, *Macq. Dipt. Exot.* i. 2, 133, 3, pl. 11, f. 5.

Java.

18. OMMATIUS DISPAR.

Thorax maris cinereus vittis fuscis, fœm. testaceus; abdomen nigrum; pedes fulvi; alæ subflavescentes apice fuscæ, maris dilatatæ.

Ommatius dispar, *Macq. Dipt. Exot. Suppl.* 3, 28, 7, pl. 3, f. 3.

Java.

19. OMMATIUS AURATUS.

Fœm. Subtestaceus; thorax aureo micans, vittis fuscis; abdominis segmenta 4um et 5um nigra; alæ subtestacæ.

Ommatius auratus, *Wied., Macq. Dipt. Exot.* i. 2, 133, 2.

East Indies.

Male. Body and legs wholly testaceous. Abdomen slightly attenuated from the base to one-third of the length, fusiform from thence to the tip. Wings hardly grayish, with a slight testaceous tinge in front; union of the subcostal and radial veins nearer to the tip of the wings than in the female.

1. Punjaub. Presented by Brigadier Hearsay.

20. OMMATIUS NANUS.

Ommatius nanus, *Diptera Saundersiana*, Pt. 2, 153.

East Indies.

Australia.

A. Femora nigra.

A. Tibiæ nigro vittatæ. - - - - Lema, *Walk.*

B. Tibiæ non vittatæ. - - - - Cœræbus, *Walk.*

B. Femora rufa. - - - - Ialmus, *Walk.*

21. OMMATIUS LEMA.

Ommatius Lema, *Cat. of Diptera*, Pt. 2, 472.

New Holland.

22. OMMATIUS CÆRÆBUS.

Ommatius Cœræbus, *Cat. of Diptera*, Pt. 2, 473.

New Holland.

23. OMMATIUS IALMUS.

Ommatius Ialmus, *Cat. of Diptera*, Pt. 2, 479.

New Holland.

Sandwich Islands.

24. OMMATIUS ANDROCLES.

Ommatius Androcles, *Cat. of Diptera*, Pt. 2, 470.

Country unknown.

A. Tibiæ nigrae.

A. Femora tibiæque omnino nigra. - - - Papus, *Walk.*

B. Femora tibiæque basi rufa. - - - Amyclæus, *Walk.*

B. Tibiæ rufæ, nigro vittatæ; posticæ nigrae. Plautius, *Walk.*

C. Tibiæ flavæ, apice nigrae.

A. Alæ subfusca. - - - Pera, *Walk.*

B. Alæ limpidæ. - - - Hecale, *Walk.*

D. Tibiæ ferrugineæ. Ademon, *Walk.*

25. OMMATIUS PAPUS.

Ommatius Papus, *Cat. of Diptera*, Pt. 2, 472.

26. OMMATIUS AMYCLÆUS.

Ommatius Amyclæus, *Cat. of Diptera*, Pt. 2, 477.

27. OMMATIUS PLAUTIUS.

Ommatius Plautius, *Cat. of Diptera*, Pt. 2, 471.

28. OMMATIUS PERA.

Ommatius Pera, *Cat. of Diptera*, Pt. 2, 475.

29. OMMATIUS HECALE.

Ommatius Hecale, *Cat. of Diptera*, Pt. 2, 476.

30. OMMATIUS ADEMON.

Ommatius Ademon, *Cat. of Diptera*, Pt. 2, 478.

Genus 11. LECANIA.

Corpus non depressum nec ciliatum. Facies promineus. *Mystax* mediocris. Antennarum arista longissima, lamella terminali. Alarum areola mediastinalis clausa; areolæ dua submarginales, 2a simplex.

Lecania, *Macq. Dipt. Exot.* i. 2, 131.

Radial vein nearly straight, joining the subcostal at some distance from the tip of the latter. Cubital forked at very much beyond half its length; forks hardly undulating, a little nearer to each other in the middle than towards each end. First and second externo-medial veins nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the aual at some distance from the border.

South America.

1. *LECANIA RUFIPIES*.

Flavida; thorax nigro vittatus; abdomen nigrum; pedes rufi; alæ flavescentes.

Lecania rufipes, Macq. *Dipt. Exot.* i. 2, 131, pl. 11, f. 2.

Brazil.

Var.? Mas. et fœm. *Cervina; caput et pectus alba, illum albo pilosum; antennæ rufescentes; thorax vittis duabus dorsalibus maculisque lateralibus fuscis; abdomen supra piceum marginibus posticis fulvis, apice nigrum; pedes fulvi, femoribus posterioribus tarsisque apice nigris; alæ subfuscescentes, apice obscuriores.*

Fawn colour. Head and pectus white. Head clothed beneath with white hairs. Face slightly convex towards the epistoma. *Mystax* small. Proboscis black, lanceolate. Antennæ dull reddish; first joint more than twice the length of the second; third elongate-conical, much shorter than the first; arista full four times the length of the third. Thorax with two brown dorsal stripes, and four brown lateral oblique spots. Abdomen above piceous; hind borders of the segments tawny; tip black. Legs pale tawny, with a few black spines; tips of the posterior femora and of the tarsi black. Wings slightly brownish, darker towards the tips. Halteres testaceous. *Male*.—Arista dilated at the tip. Sexualia of moderate size; forceps broad, obtuse. *Fem*.—Arista not dilated. Apical fourth part of the abdomen stylate. Length of the body 7—8 lines; of the wings 12—13 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

b. ———?

Country unknown.

2. *LECANIA FEMORATA*.

Mas. Nigra; thorax flavido bivittatus; pedes rufi, femoribus incrassatis externe fuscis; alæ flavescentes, apice subfuscae.

Lecania femorata, Macq. Dipt. Exot. i. 2, 132, 2.

Genus 12. *SENOPROSOPUS*.

Corpus non depressum nec ciliatum. Facies plana, angusta. *Mystax* mediocris. Thorax non cristatus. Abdomen non carinatum; *maris* sexualia mediocria; *fem.* terebra non spinosa. Alarum areola mediastinalis clausa; areola submarginalis 2a simplex; 4a posterior petiolata.

Senoprosopus, Macq. Dipt. Exot. i. 2, 130.

1. *SENOPROSOPUS DIARDII*.

Mas. Rufescens; thorax fusco vittatus; abdomen nigrum, incisuris albidis; pedes flavi, femoribus posticis tarsisque nigris; alæ flavæ, apice fuscæ.

Senoprosopus Diardii, Macq. Dipt. Exot. i. 2, 130, 1, pl. 11, f. 1.

Bengal.

Genus 13. *DAMALIS*.

Corpus non depressum nec ciliatum. *Onychia* conspicua. Alarum areola mediastinalis aperta; areolæ duæ submarginales.

Damalis, Fabr. Syst. Antl. 148; Wied; Macq.

Dioctria, p., Wied. Dipt. Exot.

Dasypogon, p., Wied. Dipt. Exot.

Damalis et Chalcidomorpha, Westw.

South America.

1. *DAMALIS? DIVISA*.

Nigra; abdominis segmenta marginibus posticis canis; metatarsi basi et genua fulvescentia; alæ limpidæ, dimidio basali nigricante; halteres flavi.

Black. Face silvery white. Thorax with brownish tomentum. Pectus hoary. Abdomen full twice the length of the thorax; hind

borders of the segments hoary. Legs shining; metatarsi towards the base and knees tawny. Wings limpid; basal half blackish; veins black. Halteres pale yellow. Length of the body $3\frac{1}{2}$ —4 lines; of the wings 6—7 lines.

♂, ♀. Santarem. From Mr. Bates' collection.

Africa.

- A. *Alæ limpidæ, venis fusco limbatis.* - - - capensis, Wied.
 B. *Alæ fuscæ.* - - - - - hirtiventris, Macq.
 C. *Alæ limpidæ.* - - - - - hyalipennis, Macq.

2. DAMALIS CAPENSIS.

Fœm. Nigra; thorax fuscus; abdomen obscure coriaceum; pedes fulvi, tibiis antice femoribusque nigris; alæ limpidæ, venis fusco limbatis.

Dioctria heterocera, Wied. Dipt. Exot. i. 162, 6.

Dasypogon anomalus, Wied. Dipt. Exot. i. 232, 35.

Damalis capensis, Wied. Auss. Zweifl. i. 416, 1.

Cape.

3. DAMALIS HIRTIVENTRIS.

Mystax, antennæ pedesque nigra, thorax flavidus, vittis nigris; abdomen fuscum, apice nigrum; femora apice tibiaque fulva; alæ fuscæ.

Damalis hirtiventris, Macq. Dipt. Exot. Suppl. 1 94, 3.

Caffraria.

4. DAMALIS HYALIPENNIS.

Albida; mystax antennæque nigra; thorax vittis fuscis; abdomen maculis dorsalibus nigris; pedes testacei; alæ hyalinæ.

Damalis hyalipennis, Macq. Dipt. Exot. Suppl. i. 95, 4, pl. 8, f. 19.

Caffraria.

Asia.

A. *Alæ apice saltem pallidæ.*

A. *Abdomen chalybeum.*

a. *Pedes mellei.* - - - - - myops, Fabr.

b. *Pedes rufi.* - - - - - tibialis, Macq.

B. *Abdomen æneum.* - - - - - Andron, Walk.

- C. Abdomen nigrum. - - - - - fuscus, *Walk.*
 D. Abdomen flavum. - - - - - planiceps, *Fabr.*
 E. Abdomen melleum, nigro maculatum. - - - maculata, *Wied.*
 B. Alæ totæ nigro-fuscæ. - - - - - fumipennis, *Walk.*

5. DAMALIS MYOPS.

Nigella ; abdomen chalybeum ; pedes mellei, femoribus apice nigris ; alæ basi ultra medium fusce.

Damalis myops, *Fabr. Syst. Antl.* 148, 4. *Wied. Auss. Zweifl.* i. 417, 3.

Sumatra.

6. DAMALIS TIBIALIS.

Mas. Atræ ; thorax latera rufa ; abdomen violaceo nitens ; pedes rufi, femoribus supra nigris, tibiis posticis apice crassis ; alæ hyalinæ, basi fuscæ.

Damalis tibialis, *Macq. Dipt. Exot.* i. 2, 154, 1, pl. 12, f. 6.

Damalis myops, var.

East Indies.

7. DAMALIS ANDRON.

Damalis Andron, *Cat. of Diptera*, Pt. 2, 480.

China.

8. DAMALIS FUSCA.

Damalis fusca, *Cat. of Diptera*, Pt. 2, 481.

North Bengal.

9. DAMALIS PLANICEPS.

Thorax nigellus, limbo scutelloque flavidis ; abdomen pedesque flava ; alæ dimidio basali nigro-fusco.

Damalis planiceps, *Fabr. Syst. Antl.* 148, 2. *Wied. Zool. Mag.* i. 60, pl. 2, f. 4 ; *Auss. Zweifl.* i. 417, 4. *Macq. Dipt. Exot.* i. 2, 154, 2.

Coromandel, Tranquebar.

10. DAMALIS MACULATA.

Mas. Nigra ; thorax flavidus, disco nigello ; abdomen melleum, utrinque nigro maculatum ; pedes ferruginei, fasciis nigricantibus ; alæ flavescens.

Damalis maculata, Wied. *Auss. Zweifl.* i. 416, 2.

Java.

11. *DAMALIS FUMIPENNIS*.

Nigro-cuprea; *antennæ nigrae*; *thoracis latera fulvescentia*; *pedes fulvi*, *coxis tibiis apice tarsisque nigris*; *alæ nigro-fusca*.

Cupreous black. Antennæ black. Pectus and sides of the thorax dull tawny. Legs tawny; coxæ, tarsi and tips of the tibiæ blackish; hind femora armed with short spines; hind tibiæ much curved. Wings blackish brown. Halteres testaceous. Length of the body 3 lines; of the wings 6 lines.

a. Java. From the East India Company's collection.

Australia.

12. *DAMALIS FUSCIPENNIS*.

Facies mystax barbaque albida; *antennæ nigrae*; *thorax flavus*, *vittis nigris*; *abdomen et pedes fulva*; *alæ fusca*.

Damalis fuscipennis, Macq. *Dipt. Exot. Suppl.* 1, 95, 5.

New Holland.

Country unknown.

The following species is the type of the genus *Chalcidomorpha* of Westwood, who has described it as follows:—

“Caput brevissimum, latum, oculis maximis elevatis. Proboscis capitis longitudine, perpendicularis. Palpi brevissimi, setigeri. Antennæ breves; articulus 1us parvus, cylindricus; 2us paullo major, cyathiformis; 3us longior, conicus, apice longe setiger. Thorax elevatus, antice in collum attenuatus. Abdomen crassum, læve. Femora postica incrassata, subtus serie duplici denticulorum; coxæ et trochanteres magna; tibiæ arcuatæ.”

Chalcidomorpha, Westw. *Ann. Soc. Ent. Fr.* iv. 684.

13. *DAMALIS FULVIPES*.

Niger; *frons albida*; *thorax cinereus, vix pubescens, lateribus scutelloque subalbidis*; *abdomen flavum*; *pedes fulvi, femoribus apice nigris, posticis 10-denticulatis*; *alæ hyalinae, dimidio infumato, in medio obscurioribus*.

Chalcidomorpha fulvipes, Westw. *Ann. Soc. Ent. Fr.* iv. 68, 41.

Genus 14. PHENEUS.

Corpus longi-obconicum. Antennarum articuli 1us et 2us breves; 3us longior, conicus, arista longissima. Abdomen longi-obconicum. Pedes postici longi, validi.

Pheneus, *Diptera Saundersiana*, Pt. 2, 155.

Fore fork of the cubital vein slightly undulating; hind fork nearly straight, parallel to the first externo-medial; third externo-medial forming an obtuse angle with the præbrachial, joining the fourth at a short distance from the border. Subanal inclined towards the anal, but at a short distance from it on the border.

1. PHENEUS TIBIALIS.

Pheneus tibialis, *Diptera Saundersiana*, Pt. 2, 156, pl. 4, f. 3.
Jamaica.

Genus 15. LEPTOGASTER.

Corpus mediocre aut parvum, fere nudum. Proboscis porrecta. Antennarum articulus 3us lanceolatus; arista brevis. Abdomen longum, gracile, obclavatum. Pedes graciles, postici longi; femora tibique subclavata; onychia nulla. Alæ breves; venæ subcostalis et radialis non conjunctæ.

Leptogaster, *Meig. Klass. Zweifl.*; *Wied.*; *Zell.*; *Zett.*; *Loew.*

Asilus, p., *Deg.*; *Geoffr.*; *Fabr. Ent. Syst.*; *Schr.*

Dasygogon, p., *Fabr. Syst. Antl.*

Gonypes, *Latr.*; *Macq.*

Europe and Asia Minor.

A. Alæ limpidæ.

A. Antennæ nigræ.

a. Abdomen flavo non maculatum.

a. Femora tibique apicem versus fusca. *hispanicus*, *Meig.*

b. Femora postica ante apicem nigro-cingulata.

nigricornis, *Loew.*

B. Abdomen flavo maculatum. - - *variegatus*, *Loew.*

B. Antennarum articulus 2us rufo aut flavo-ferrugineus.

a. Femora non nigro lineata.

a. Antennarum arista pubescens. - *guttiventris*, *Zett.*

b. Antennarum arista nudiuscula.

i. Antennarum articulus 3us non pubescens.

gracilis, *Loew.*

- ii. Antennarum articulus 3us subtus distincte pubescens.
pubicornis, *Loew*.
- B. Femora postica nigro lineata.
- a. Areola submarginalis 2a longa, breviter petiolata.
cylindricus, *Deg*.
- b. Areola submarginalis 2a brevis, longissime petiolata.
pedunculatus, *Loew*.
- C. Antennarum articuli 1us et 2us flavi.
- A. Abdomen flavo non maculatum. - - - palparis, *Loew*.
- B. Abdomen flavo maculatum. - - - subtilis, *Loew*.
- B. Alæ semifuscæ. - - - Pallasii, *Wied*.

1. LEPTOGASTER PALPARIS.

Palpi et antennarum articuli 1us et 2us flavi.

Leptogaster palparis, *Loew*, *Linn. Ent.* ii. 396, 1.

Stanchio.

2. LEPTOGASTER HISPANICUS.

Antennæ nigrae; femora tibiarumque pallide flava, apicem versus fusciscentia.

Leptogaster hispanicus, *Meig. Zweifl.* vii. 76, 4. *Loew*, *Linn. Ent.* ii. 397, 2.

Spain.

3. LEPTOGASTER GUTTIVENTRIS.

Fœm. Cinerascens; thoracis dorsum vittis 3 obscure fuscis; abdomen supra fusciscens, incisuris glaucis; pedes flavi, tibiis intus, femorum posticorum annulo apicali, tarsorumque omnium articulis 4 ultimis, nigro-fuscis; alæ hyalinæ abdomine paullo breviores.

Leptogaster guttiventris, *Stæger, MSS. Zett. Dipt. Scand.* i. 187, 2. *Loew, Linn. Ent.* iii. 397, 3.

Leptogaster cylindricus? *Meig. Dipt.* ii. 243, 1, pl. 21, f. 16.

Leptogaster pallipes, var., *Ros. Conop. Wurt. Landw. Ver.* 1840, 1, 1.

North Europe.

4. LEPTOGASTER GRACILIS.

Gracillimus; antennarum articulus 2us flavo-ferrugineus, arista nudiuscula; femora postica ante apicem valde incrassata, latissime nigro annulata.

Leptogaster gracilis, *Loew, Linn. Ent.* ii. 399, 4.

Makri, Asia Minor.

5. LEPTOGASTER SUBTILIS.

Fœm. *Gracillimus*; *proboscis flava*; *antennæ pallide flavae*,
apice fusca; *abdomen flavo maculatum*.

Leptogaster subtilis, Loew, Linn. Ent. ii. 401, 5.

South Italy.

6. LEPTOGASTER VARIEGATUS.

Proboscis et antennæ nigrae; *abdomen nigrum, flavo maculatum*.

Leptogaster variegatus, Loew, Linn. Ent. ii. 402, 6.

Leptogaster nitidus, Macq. Dipt. Nord. Asil. 12, 3; Meig. Zweifl.
vii. 77, 5.

Gonypes nitidus, Macq. Hist. Nat. Dipt. i. 316, 4.

France.

7. LEPTOGASTER CYLINDRICUS.

Antennarum articulus 2us flavo-ferrugineus; *femora postica longitudinaliter nigro lineata*; *areola submarginalis 2a longa, breviter pedunculata*.

Leptogaster cylindricus, Meig. Zweifl. ii. 343, 1.

Asilus cylindricus, Deg.

Gonypes cylindricus, Macq. Expl. Sci. Alg. iii. Ins. 443, 80, 439,
69.

North and Middle Europe. Eastern Siberia. North Africa.

a.—e. England. From Mr. Stephens' collection.

Var.? *Cinerascens*; *antennæ nigrae, articulus 2o rufo-ferrugineus*;
thoracis dorsum nigrum; *pedes flavo-ferruginei, longitudinaliter nigro lineati*; *alæ hyalinae, abdomine dimidio breviores*.

Leptogaster dorsalis, Dahlb. Act. Holm. 1850, 159. Zett. Dipt.
Scand. xi. 4263.

Sweden.

8. LEPTOGASTER PEDUNCULATUS.

Antennarum articulus 2us apice, 3us basi rufo-ferruginei; *femora postica longitudinaliter nigro lineata*; *areola submarginalis 2a brevis, longissime pedunculata*.

Leptogaster pedunculatus, Loew, Linn. Ent. ii. 405, 8.

Sicily.

9. LEPTOGASTER NIGRICORNIS.

Robustus; antennæ nigrae; femora postica ante apicem nigro cingulata.

Leptogaster nigricornis, Loew, Linn. Ent. ii. 407, 9.

Sicily.

10. LEPTOGASTER PUBICORNIS.

Fœm. *Robustior; antennarum articulus 3us basi 2usque rufo-ferrugineti, 3us subtus distincte pubescens; femora postica latissime nigro-cingulata.*

Leptogaster pubicornis, Loew, Linn. Ent. ii. 408, 10.

Hungary.

11. LEPTOGASTER PALLASII.

Fœm. *Niger; alæ semifusca; pedes pallide flavi, femorum fasciis, tibiis apice tarsisque fuscis.*

Leptogaster Pallasii, Wied. Zool. Mag. i. 2, 37. Meig. Zweifl. ii. 345, 3. Loew, Linn. Ent. ii. 409, 11.

South Russia.

North America.

12. LEPTOGASTER HISTRIO.

Rubido-fuscus; thorax vittis tribus nigellis; abdomen fuscum, albido fasciatum; pedes flavi, postici fusco fasciati; alæ limpida.

Leptogaster annulatus, Say, Journ. Acad. Philad. iii. 75, 1.

Leptogaster Histrio, Wied. Auss. Zweifl. i. 535, 5.

Pennsylvania.

13. LEPTOGASTER NITIDUS. (Nomen bis lectum.)

Fœm. *Testaceus, nitidus; abdomen fuscum; pedes rufi, femoribus posticis basi flavis medio fusco-cinctis, tibiis posticis apice fuscis; alæ flavescens, apice subcinerea.*

Gonypes nitidus, Macq. Dipt. Exot. i. 2, 155, 1, pl. 12, f. 7.

Carolina.

South America.

A. Abdomen supra totum nigrum aut piceum.

A. Thorax piceus. - - - - - niger, Wied.

B. Thorax testaceus, nigro vittatus. - - - Audouinii, Macq.

C. Thorax nigricans, lateribus testaceo lineatis.

B. Abdomen nigro-fuscum, basi luteum. - fuscipennis, Blanch
basalis, Walk.

C. Abdomen incisuris aut fasciis pallidus.

A. Alæ flavidæ, apice fuscæ. - - - rubidus, Wied.

B. Alæ subhyalinæ aut limpidæ.

a. Pedes non fasciati. - - - - - bicolor, Macq.

b. Pedes fasciati.

a. Femora unifasciata. - - - ferrugineus, Walk.

b. Femora et tibiæ bifasciata.

i. Thorax maculatus. - - - gracillimus, Walk.

ii. Thorax non maculatus. - - - multicinctus, Walk.

c. Femora et tibiæ trifasciata. - - - annulipes, Walk.

14. LEPTOGASTER NIGER.

Picea; *facies alba*; *metatarri flavi*; *femora postica fusco-flava*,
basi albido-flava, *apice nigro-fusca*; *alæ subflavescentes*.

Leptogaster niger, Wied. Auss. Zweifl. i. 533, 1.

a. Pará. From Mr. Bates' collection.

b. Santarem. From Mr. Bates' collection.

c. Tapayos. From Mr. Bates' collection.

15. LEPTOGASTER AUDOUINII.

Mas. Testaceus, nitidus; *thorax nigro vittatus*; *abdomen et*
pedes nigra; *pedes postici elongati*, *tibiis basi metatarsisque*
albidis; *alæ subflavescentes*, *apice subcinereæ*.

Gonypes Audouinii, Macq. Dipt. Exot. i. 2, 125, 2.

a. South America. From Mr. Saunders' collection.

16. LEPTOGASTER BASALIS.

Pallide luteus; *abdomen nigro-fuscum*, *basi luteum*; *pedes postici*
fusci, *femorum fascia ante apicali basique luteis*; *alæ fusco-*
violaceæ, *apice hyalinæ*.*Male.* Pale luteous. Abdomen blackish brown, very long and
slender; first segment luteous, brown above towards the tip; hind

borders of the second and third segments luteous on each side. Legs long and slender; hind legs brown, their femora luteous towards the base, and with a luteous band near the tips. Wings violet-brown, nearly limpid towards the tips, which are gray; some nearly hyaline streaks towards the hind border. Length of the body 6 lines; of the wings 10 lines.

a. Ega, on the Amazon. From Mr. Bates' collection.

17. LEPTOGASTER FUSCIPENNIS.

Nigricans; facies albido sericea; thoracis latera testaceo lineata; pedes fusco-nigri; alæ totæ nigricantes.

Gonypes fuscipennis, Blanch. Gay, *Hist. de Chile*, Zool. vii. 371, 1. Atlas, pl. 3, f. 6.

Santiago.

18. LEPTOGASTER RUBIDUS.

Rubidus; abdomen incisuris luteis; pedes flavescents, femoribus anterioribus apice posticisque totis fuscis; alæ flavidæ, apice fuscæ.

Leptogaster rubidus, Wied. *Dipt. Exot.* i. 242. *Auss. Zweifl.* i. 533, 2.

South America.

19. LEPTOGASTER BICOLOR.

Fœm. Thorax testaceus nitidus; abdomen fuscum, incisuris flavidis; pedes fulvi; alæ subhyalinæ.

Gonypes bicolor, Macq. *Dipt. Exot. Suppl.* 3, 31, 3.

Rio Negro.

20. LEPTOGASTER FERRUGINEUS.

Mas. Ferrugineus; pectus thoracisque latera cana; abdomen supra nigricans; femora postica fuscia subapicali fulva; alæ subcinereæ, venis nigris; halteres albi, apice fusi.

Male. Ferruginous. Proboscis and antennæ tawny. Pectus and sides of the thorax hoary. Abdomen blackish above. Legs moderately stout; hind femora with a tawny subapical band. Wings very slightly grayish; veins black. Halteres white, with brown knobs. Length of the body 7 lines; of the wings 10 lines.

a. Parà. From Mr. Bates' collection.

21. LEPTOGASTER GRACILLIMUS.

Mas. *Niger*; *antennæ, proboscis et thoracis maculæ fulvescentia*; *pectus testaceum, vittis duabus obliquis nigris*; *abdomen gracillimum segmentis basi fulvis*; *pedes anteriores testacei, femoribus nigro vittatis, tibiis fusco vittatis*; *postici nigri, femoribus tibiisque fulvo vittatis, metatarsis testaceis*.

Male. Black, shining. Proboscis and antennæ tawny, the latter brownish towards the tips. Thorax with tawny spots. Pectus testaceous, with a black oblique stripe on each side. Abdomen very slender, more than six times the length of the thorax; segments tawny at the base. Anterior legs tawny; each femur and tibia with a black band; knees black; tarsi with very long spines. Hind legs black; femora and tibiæ with tawny subapical bands; femora and tarsi tawny towards the base. Wings limpid; veins black. Halteres whitish, with black knobs. Length of the body $4\frac{1}{2}$ lines; of the wings 5 lines.

a. Parà. From Mr. Bates' collection.

22. LEPTOGASTER MULTICINCTUS.

Leptogaster multicinctus, Diptera Saundersiana, Pt. 2, 155.
South America.

23. LEPTOGASTER ANNULIPES.

Mas. *Piceus*; *pectus fulvum, albido tomentosum*; *abdomen nigrum, segmentorum marginibus posticis testaceis*; *pedes fulvi, femoribus tibiis tarsisque basi albidis, femoribus tibiisque fusco trifasciatis, tarsis posticis genubusque fuscis*; *ala limpida*.

Male. Piceous. Head, proboscis and antennæ black. Pectus tawny, with whitish tomentum. Abdomen black; hind border of the segments testaceous. Legs tawny, rather stout; knees brown; femora, tibiæ and tarsi whitish towards the base; femora and tibiæ with three brown bands; hind tarsi mostly brown. Wings limpid; veins black. Halteres testaceous, with brown knobs. Length of the body 4 lines; of the wings 6 lines.

a. Parà. From Mr. Bates' collection.

Africa.

- A. Alæ subflavescentes. - - - nitidus, *Wied.*
 B. Alæ subhyalinæ, stigmatæ nigro-fusco. - stigmatalis, *Loew.*
 C. Alæ subhyalinæ. - - - albitarsis, *Macq.*
 D. Alæ flavo-fuscæ, basi obscuriores. - - Proculus, *Walk.*
 E. Alæ fuscæ, ad costam ferruginæ. - - Datis, *Walk.*

24. LEPTOGASTER NITIDUS.

Glaucescens; thorax nigro villatus; abdomen nigro fasciatum; pedes flavi, postici nigro-cincti; alæ subflavescentes.

Leptogaster nitidus, Wied. Auss. Zweifl. i. 536.

Nubia.

25. LEPTOGASTER STIGMATICALIS.

Facies, mystax, pleuræ, et scutellum albida; thorax lævis, nitidus, obscure badius; alæ subhyalinæ, basi flavescentes, stigmatæ distinctissimo nigro-fusco.

Leptogaster stigmatalis, Loew, Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl. 1852, 658, 5.

Mozambique.

26. LEPTOGASTER ALBITARSIS.

Mas. Ater; facies mystaxque flava; pedes fulvi, tibiis posticis apice nigris, metatarso antico albo; alæ subhyalinæ.

Leptogaster cylindricus, var.?

Gonypes albitarsis, Macq. Dipt. Exot. Suppl. 1, 96, 3.

Caffraria.

27. LEPTOGASTER PROCULUS.

Leptogaster Proculus, Cat. of Diptera, Pt. 2, 482.

Sierra Leone.

28. LEPTOGASTER DATIS.

Leptogaster Datis, Cat. of Diptera, Pt. 2, 483.

Sierra Leone.

Asia.

29. LEPTOGASTER MARION.

Leptogaster Marion, Cat. of Diptera, Pt. 2, 484.

North Bengal.

Australia.

30. LEPTOGASTER PEDANIUS.

Leptogaster Pedanius, *Cat. of Diptera*, Pt. 2, 484.
New Holland.

Country unknown.

- A. Thorax nigro vittatus. - - - - - vittatus, *Wied.*
B. Thorax non vittatus. - - - - - glabratus, *Wied.*

31. LEPTOGASTER VITTATUS.

*Rubidus; thorax nigro vittatus; abdomen fuscum, fasciis albidis;
pedes flavi; femora puncto apicali fusco.*

Leptogaster vittatus, *Wied. Auss. Zweifl.* i. 534, 3.

32. LEPTOGASTER GLABRATUS.

*Hyacinthino-glaber; antennæ flavae; abdomen fuscum, flavido
fasciatum; pedes mellei; femora puncto apicali fusco; alæ
limpidae.*

Leptogaster glabratus, *Wied. Auss. Zweifl.* i. 534, 4.

A D D E N D A .

ERAX CHILENSIS.

Nigricans, cinereo sericeus; thorax nigro vittatus; abdomen nigrum segmentis tribus ultimis albido cinereis; pedes nigri, tibiis flavo-rufis; alæ dilatatæ; venæ cubitalis furca antica ramulum rejiciens.

Erax chilensis, Macq. Dipt. Exot. Suppl. 4. Mém. de Lille (1849), 387. Blanch. Gay, Hist. de Chile, Zool. vii, 369, 2.

Chili. Bolivia.

Fam. STRATIOMIDÆ.

Genus LASIOPA.

Caput haud productum. Proboscis basi fracta, fere omnino exserta, postice inflexa. Antennæ porrectæ, triarticulatæ; articulus 1us cylindricus, subelongatus; 2us subconicus, 1o paullo brevior; 3us, 4us, 5us et 6us breves, approximati, 1o et 2o conjunctim fere æquales; arista crassa, pilosa, articuli 3i longitudine, annulis duobus, 1o brevi subrotundo. Scutellum muticum. Alarum venæ ut in *Nemotelis*. *Mas.*—Oculi subapproximati. *Fœm.*—Oculi valde remoti. Arista latior.

Lasiopa, Brullé, Exped. Scient. Morée, 3me Sér. Zool. 307.

1. LASIOPA PELETERIA.

Atra; abdomen subviolascens. Mas.—Nigro hirta; thorax haud vittatus; abdominis segmenta vix rufo villosa. Fœm.—Rufo hirta; thorax vittis quatuor rufis; abdominis segmenta postica rufo hirta.

Lasiopa Peleteria, Brullé, Exped. Sci. Morée, 3me Sér. Zool. 307. Atlas, pl. 47, f. 6.

Forest of Koubeh, Morea.

